



**STL**

**STL Sacramento**  
880 Riverside Parkway  
West Sacramento, CA 95605

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[www.stl-inc.com](http://www.stl-inc.com)

July 27, 2006

**STL SACRAMENTO PROJECT NUMBER: G6F290300**  
**PO/CONTRACT: 129682.001/Event 86**

Guy Graening  
Brown and Caldwell  
10540 White Rock Road  
Suite 180  
Rancho Cordova, CA 95670

Dear Mr. Graening,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on June 29, 2006. These samples are associated with your 21243 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,

A handwritten signature in black ink, appearing to read "Karen Dahl".

Karen Dahl  
Project Manager

CC: Rock J. Vitale - Environmental Standards

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Full Raw Data Package

## **CASE NARRATIVE**

### **STL SACRAMENTO PROJECT NUMBER G6F290300**

#### **AIR, TSP**

The final weight for sample 7 was less than the initial weight so this result was reported as 'ND'.

#### **AIR, PM-10**

The final weight for sample 15 was less than the initial weight so this result was reported as 'ND'.

There were no other anomalies associated with this project.



## STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

\*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

## QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):**

An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

# Sample Summary

## G6F290300

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
H8GKJ	1	000509	6/27/06 10:40 AM	6/29/06 09:45 AM
H8GKL	2	000510	6/27/06 10:55 AM	6/29/06 09:45 AM
H8GKM	3	000511	6/27/06 11:15 AM	6/29/06 09:45 AM
H8GKQ	4	000512	6/27/06 11:35 AM	6/29/06 09:45 AM
H8GKR	5	000513	6/27/06 12:00 PM	6/29/06 09:45 AM
H8GKV	6	000514	6/27/06 12:10 PM	6/29/06 09:45 AM
H8GKW	7	000515	6/27/06 11:40 AM	6/29/06 09:45 AM
H8GKX	8	P-0683	6/27/06 10:35 AM	6/29/06 09:45 AM
H8GK1	9	P-0684	6/27/06 10:50 AM	6/29/06 09:45 AM
H8GK2	10	P-0685	6/27/06 11:10 AM	6/29/06 09:45 AM
H8GK4	11	P-0686	6/27/06 11:30 AM	6/29/06 09:45 AM
H8GK6	12	P-0687	6/27/06 11:55 AM	6/29/06 09:45 AM
H8GK7	13	P-0688	6/27/06 12:05 PM	6/29/06 09:45 AM
H8GK8	14	P-0689	6/27/06 10:45 AM	6/29/06 09:45 AM
H8GLA	15	P-0690	6/27/06 11:00 AM	6/29/06 09:45 AM

### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

## Event 86

3264 Goni Road / Suite 153  
Carson City, NV 89706

775-883-4118 / FAX 775-883-5108

4425 W. Spring Mountain Road / Suite 225  
Las Vegas, NV 89102

702-938-4080 / FAX 702-938-4082

201 East Washington Street / Suite 500  
Phoenix, AZ 85004  
602-567-4000 / FAX 602-567-4001

G6F290300

PROJECT NAME: Yerington Air Qly  
PROJECT NUMBER: 121243

LABORATORY NAME & ADDRESS:

SEVERN TRENT LABS, WEST SACRAMENTO,  
CALIFORNIA

LINE NO.	SAMPLE - I.D.	COLLECTION DATE		INITIALS	NUMBER OF SAMPLES	CONTAINER AND SIZE AND TYPE	PRESERVE	PRESERVE CODE	ANALYSES REQUESTED		METHOD	DEPTH (FT.) BEGIN END	PI READING (ppm)
		DATE	TIME						REQUESTED	REQD			
01	-000509	6/27/00	10:40	MS	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.26	---	---	
02	-000510	6/27/00	10:55		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.25	---	---	
03	-000511	6/27/00	11:15		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.23	---	---	
04	-000512	6/27/00	11:35		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.36	---	---	
05	-000513	6/27/00	12:00		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.28	---	---	
06	-000514	6/27/00	12:10		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.30	---	---	
07	-000515	6/27/00	12:40	Y	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.35	---	---	
08													---
09													---
10													---
RELEASED & RECEIVED BY:		DATE TIME COOLER I.D.:		COMMENTS (see note on back):									
RECEIVED BY:		DATE	TIME	RELINQUISHED BY:		DATE	TIME						
<i>John M. Hough Jr.</i>		6/27/00	12:15										
RECORD RETURNED BY:		DATE	TIME										
COURIER: <i>Ted E.</i>		/	/	SHIPPING NUMBER: <i>792138820960</i>									

DISTRIBUTION: WHITE - PROJECT FILE • CANARY - LAB RECEIPT • PINK - DATA MANAGEMENT • GOLDENROD - FIELD

USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

3264 Goni Road / Suite 153  
 Carson City, NV 89706  
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G6F290300 PROJECT NUMBER: 121243

4425 W. Spring Mountain Road / Suite 225  
 Las Vegas, NV 89102  
 702-938-4080 / FAX 702-938-4082

Event 86

□ 201 East Washington Street / Suite 300  
 Phoenix, AZ 85004

602-567-4000 / FAX 602-567-4001

PROJECT NAME: Yerington Air Qlty

PROJECT NUMBER: 121243

LINE NO.	SAMPLE - I.D.	COLLECTION DATE	TIME	SAMPLES	NUMBER OF CONTAINERS	CONTAINER TYPE	SIZE AND PRESENT	MATRIX CODE	ANALYSES REQUESTED		FIELD FILTERED	QC - REQ	SAMPLED METHOD	DEPTH (FT.) BEGIN END	
									DATE	TIME					
01	-P-0683	10/25/03	MS	1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.29					---	
02	-P-0684	10/50		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.36					---	
03	-P-0685	11/10		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.28					---	
04	-P-0686	11/20		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.32					---	
05	-P-0687	11/55		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.24					---	
06	-P-0688	12:05		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.21					---	
07	-P-0689	10:45		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.36					---	
08	-P-0690	11/10	X	1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)	0.41					---	
09															---
10															---
CORRECTED & RELEASED BY:		DATE 10/26/03 TIME 16:00		COOLER I.D.:		COMMENTS (see note on back):									
RECEIVED BY:		DATE 10/26/03 TIME 13:45		RElinquished By:				DATE / /		TIME : :					
RECORD RETURNED BY:		DATE / /		TIME : :											
COURIER: EDE								SHIPPING NUMBER: 72138820960							

DISTRIBUTION: WHITE - PROJECT FILE • CANARY - LAB RECEIPT • PINK - DATA MANAGEMENT • GOLDENROD - FIELD  
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 5 of 259

SEVERN  
TRENT

STL

LOT RECEIPT CHECKLIST  
STL Sacramento

CLIENT Brown and Caldwell PM KD LOG # 39714  
LOT# (QUANTIMS ID) G6F290300 QUOTE# 02084 LOCATION AC

DATE RECEIVED 6/29/06 TIME RECEIVED 0945

Initials ML Date 6/29/06

DELIVERED BY  FEDEX  CA OVERNIGHT  CLIENT  
 AIRBORNE  GOLDENSTATE  DHL  
 UPS  BAX GLOBAL  GO-GETTERS  
 STL COURIER  COURIERS ON DEMAND  
 OTHER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) N/A

SHIPPING CONTAINER(S)  STL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 1  3  OTHER

COC #(S)

TEMPERATURE BLANK Observed: 2 Corrected:

SAMPLE TEMPERATURE

Observed: 2 Average: 2 Corrected Average: 2

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

Clouseau  TEMPERATURE EXCEEDED (2 °C – 6 °C)<sup>\*\*</sup>  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED

PM NOTIFIED

Notes: \_\_\_\_\_

EVERN  
TRENT

STL

## Bottle Lot Inventory

Lot  
ID:

G6F290300

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
OA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
OAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
GB																				
GBs																				
50AGB																				
50AGBs																				
50AGBn																				
00AGB																				
AGJ																				
00AGJ																				
50AGJ																				
25AGJ																				
CGJ																				
00CGJ																				
50CGJ																				
25CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
"CT																				
Encore																				
Folder/filter	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

1 = hydrochloric acid   s = sulfuric acid   na = sodium hydroxide

n = nitric acid

zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOAs

QA-185 5/05 EM

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# AIR, Metals - Various Methods

## Brown and Caldwell

Client Sample ID: 000509

## TOTAL Metals

Lot-Sample #....: G6F290300-001                          Matrix.....: AIR  
 Date Sampled...: 06/27/06                          Date Received..: 06/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	6193489					
Silver	0.13 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GKJ1AH
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GKJ1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/12-07/17/06	H8GKJ1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.042 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GKJ1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	0.092 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GKJ1AM
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GKJ1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GKJ1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	286	6.0	ug	SW846 6020	07/12-07/17/06	H8GKJ1AQ
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	37.8	6.0	ug	SW846 6020	07/12-07/17/06	H8GKJ1AR
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GKJ1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GKJ1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	2.7	1.2	ug	SW846 6020	07/12-07/17/06	H8GKJ1AV
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GKJ1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	6.0 B,J	12.0	ug	SW846 6020	07/12-07/17/06	H8GKJ1AX
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000509

**TOTAL Metals**

Lot-Sample #...: G6F290300-001

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	10.3 B	24.0	ug	SW846 6020	07/12-07/17/06	H8GKJ1A0	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #...: 6193490

Aluminum	983	240	ug	SW846 6010B	07/13-07/18/06	H8GKJ1AC
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1340 B	3000	ug	SW846 6010B	07/13-07/18/06	H8GKJ1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	1140	120	ug	SW846 6010B	07/13-07/18/06	H8GKJ1AE
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	611	600	ug	SW846 6010B	07/13-07/18/06	H8GKJ1AF
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GKJ1AG
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #...: 6197510

Mercury	0.10 B,J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GKJ1A1
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000510

## TOTAL Metals

Lot-Sample #....: G6F290300-002                              Matrix.....: AIR  
 Date Sampled...: 06/27/06                              Date Received..: 06/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 6193489						
Silver	0.087 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GKL1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GKL1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/12-07/17/06	H8GKL1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.093 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GKL1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	0.11 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GKL1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	4.9 B	12.0	ug	SW846 6020	07/12-07/17/06	H8GKL1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GKL1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	115	6.0	ug	SW846 6020	07/12-07/17/06	H8GKL1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	81.7	6.0	ug	SW846 6020	07/12-07/17/06	H8GKL1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GKL1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GKL1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	3.2	1.2	ug	SW846 6020	07/12-07/17/06	H8GKL1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GKL1AO
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	6.8 B,J	12.0	ug	SW846 6020	07/12-07/17/06	H8GKL1AI
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000510

**TOTAL Metals**

Lot-Sample #...: G6F290300-002

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	11.0 B	24.0	ug	SW846 6020	07/12-07/17/06	H8GKL1AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #...: 6193490

Aluminum	1690	240	ug	SW846 6010B	07/13-07/18/06	H8GKL1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1440 B	3000	ug	SW846 6010B	07/13-07/18/06	H8GKL1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	1600	120	ug	SW846 6010B	07/13-07/18/06	H8GKL1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	828	600	ug	SW846 6010B	07/13-07/18/06	H8GKL1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GKL1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #...: 6197510

Mercury	0.11 B,J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GKL1AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B' Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Brown and Caldwell

Client Sample ID: 000511

## TOTAL Metals

Lot-Sample #....:	G6F290300-003			Matrix.....:	AIR
Date Sampled....:	06/27/06			Date Received..:	06/29/06
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE    WORK ORDER #
Prep Batch #....:	6193489				
Silver	0.085 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GKM1AK
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06 H8GKM1AL
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	07/12-07/17/06 H8GKM1AM
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.021 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GKM1AN
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	0.077 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GKM1AP
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GKM1AQ
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GKM1AR
		Dilution Factor: 1		MDL.....: 10.3	
Copper	200	6.0	ug	SW846 6020	07/12-07/17/06 H8GKM1AT
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	24.0	6.0	ug	SW846 6020	07/12-07/17/06 H8GKM1AU
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GKM1AV
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GKM1AW
		Dilution Factor: 1		MDL.....: 3.5	
Lead	2.0	1.2	ug	SW846 6020	07/12-07/17/06 H8GKM1AX
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06 H8GKM1AO
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	5.3 B,J	12.0	ug	SW846 6020	07/12-07/17/06 H8GKM1AI
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000511

**TOTAL Metals**

Lot-Sample #....: G6F290300-003

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	7.7 B	24.0	ug	SW846 6020	07/12-07/17/06	H8GKMLAA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6193490

Aluminum	561	240	ug	SW846 6010B	07/13-07/18/06	H8GKMLAE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	988 B	3000	ug	SW846 6010B	07/13-07/18/06	H8GKMLAF
		Dilution Factor: 1		MDL.....: 398		
Iron	682	120	ug	SW846 6010B	07/13-07/18/06	H8GKMLAG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	397 B	600	ug	SW846 6010B	07/13-07/18/06	H8GKMLAH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GKMLAJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6197510

Mercury	0.13 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GKMLAC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000512

## TOTAL Metals

Lot-Sample #....: G6F290300-004

Matrix.....: AIR

Date Sampled...: 06/27/06

Date Received..: 06/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 6193489						
Silver	0.049 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GKQ1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GKQ1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/12-07/17/06	H8GKQ1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.049 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GKQ1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	0.095 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GKQ1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	4.5 B	12.0	ug	SW846 6020	07/12-07/17/06	H8GKQ1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GKQ1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	95.6	6.0	ug	SW846 6020	07/12-07/17/06	H8GKQ1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	39.7	6.0	ug	SW846 6020	07/12-07/17/06	H8GKQ1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GKQ1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GKQ1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	2.7	1.2	ug	SW846 6020	07/12-07/17/06	H8GKQ1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GKQ1AO
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	6.3 B,J	12.0	ug	SW846 6020	07/12-07/17/06	H8GKQ1AI
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000512

**TOTAL Metals**

Lot-Sample #....: G6F290300-004

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	19.2 B	24.0	ug	SW846 6020	07/12-07/17/06	H8GKQ1AA	
		Dilution Factor:	1	MDL.....: 6.2			

Prep Batch #....: 6193490

Aluminum	1030	240	ug	SW846 6010B	07/13-07/18/06	H8GKQ1AE
		Dilution Factor:	1	MDL.....: 40.8		
Calcium	1600 B	3000	ug	SW846 6010B	07/13-07/18/06	H8GKQ1AF
		Dilution Factor:	1	MDL.....: 898		
Iron	1230	120	ug	SW846 6010B	07/13-07/18/06	H8GKQ1AG
		Dilution Factor:	1	MDL.....: 14.4		
Magnesium	702	600	ug	SW846 6010B	07/13-07/18/06	H8GKQ1AH
		Dilution Factor:	1	MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GKQ1AJ
		Dilution Factor:	1	MDL.....: 2020		

Prep Batch #....: 6197510

Mercury	0.12 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GKQ1AC
		Dilution Factor:	1	MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000513

**TOTAL Metals**

Lot-Sample #....:	G6F290300-005			Matrix.....:	AIR
Date Sampled....:	06/27/06			Date Received..:	06/29/06
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE
Prep Batch #....:	6193489				WORK ORDER #
Silver	0.044 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GKR1AK
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06 H8GKR1AL
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	07/12-07/17/06 H8GKR1AM
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.040 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GKR1AN
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	0.093 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GKR1AP
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GKR1AQ
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GKR1AR
		Dilution Factor: 1		MDL.....: 10.3	
Copper	104	6.0	ug	SW846 6020	07/12-07/17/06 H8GKR1AT
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	39.0	6.0	ug	SW846 6020	07/12-07/17/06 H8GKR1AU
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GKR1AV
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GKR1AW
		Dilution Factor: 1		MDL.....: 3.5	
Lead	3.2	1.2	ug	SW846 6020	07/12-07/17/06 H8GKR1AX
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06 H8GKR1AO
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	6.1 B,J	12.0	ug	SW846 6020	07/12-07/17/06 H8GKR1AL
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000513

TOTAL Metals

Lot-Sample #....: G6F290300-005

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Zinc	11.2 B	24.0	ug	SW846 6020	07/12-07/17/06	H8GKR1AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6193490

Aluminum	969	240	ug	SW846 6010B	07/13-07/18/06	H8GKR1AE
		Dilution Factor: 1		MDL.....: 40.8		

Calcium	1430 B	3000	ug	SW846 6010B	07/13-07/18/06	H8GKR1AF
		Dilution Factor: 1		MDL.....: 398		

Iron	1230	120	ug	SW846 6010B	07/13-07/18/06	H8GKR1AG
		Dilution Factor: 1		MDL.....: 14.4		

Magnesium	621	600	ug	SW846 6010B	07/13-07/18/06	H8GKR1AH
		Dilution Factor: 1		MDL.....: 97.2		

Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GKR1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6197510

Mercury	0.13 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GKR1AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000514

## TOTAL Metals

Lot-Sample #....:	G6F290300-006			Matrix.....:	AIR
Date Sampled....:	06/27/06			Date Received...:	06/29/06
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE      WORK ORDER #
Prep Batch #....:	6193489				
Silver	0.055 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GKV1AK
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	2.1 B,J	3.6	ug	SW846 6020	07/12-07/17/06 H8GKV1AL
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	07/12-07/17/06 H8GKV1AM
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.066 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GKV1AN
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	0.13 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GKV1AP
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GKV1AQ
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GKV1AR
		Dilution Factor: 1		MDL.....: 10.3	
Copper	106	6.0	ug	SW846 6020	07/12-07/17/06 H8GKV1AT
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	65.4	6.0	ug	SW846 6020	07/12-07/17/06 H8GKV1AU
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GKV1AV
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GKV1AW
		Dilution Factor: 1		MDL.....: 3.5	
Lead	3.5	1.2	ug	SW846 6020	07/12-07/17/06 H8GKV1AX
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06 H8GKV1AO
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	7.5 B,J	12.0	ug	SW846 6020	07/12-07/17/06 H8GKV1AI
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000514

TOTAL Metals

Lot-Sample #....: G6F290300-006

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	14.5 B	24.0	ug	SW846 6020	07/12-07/17/06	H8GKV1AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6193490

Aluminum	1680	240	ug	SW846 6010B	07/13-07/18/06	H8GKV1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1940 B	3000	ug	SW846 6010B	07/13-07/18/06	H8GKV1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	1930	120	ug	SW846 6010B	07/13-07/18/06	H8GKV1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	1010	600	ug	SW846 6010B	07/13-07/18/06	H8GKV1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GKV1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6197510

Mercury	0.21 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GKV1AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000515

**TOTAL Metals**

<b>Lot-Sample #....:</b>	<b>G6F290300-007</b>				<b>Matrix.....:</b>	<b>AIR</b>
<b>Date Sampled....:</b>	<b>06/27/06</b>				<b>Date Received..:</b>	<b>06/29/06</b>
<b>PARAMETER</b>	<b>RESULT</b>	<b>REPORTING LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>PREPARATION- ANALYSIS DATE</b>	<b>WORK ORDER #</b>
<b>Prep Batch #....:</b>	<b>6193489</b>					
Silver	ND	1.2	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 0.014	H8GKWIAK
Arsenic	ND	3.6	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 1.9	H8GKWIAL
Barium	ND	120	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 34.8	H8GKWIAM
Beryllium	<b>0.017 B</b>	<b>1.2</b>	<b>ug</b>	<b>SW846 6020</b> Dilution Factor: 1	<b>07/12-07/17/06</b> MDL.....: 0.0084	<b>H8GKWIAN</b>
Cadmium	ND	1.2	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 0.054	H8GKWIAP
Cobalt	ND	12.0	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 3.7	H8GKWIAQ
Chromium	ND	12.0	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 10.3	H8GKWIAR
Copper	ND	6.0	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 2.9	H8GKWIAT
Manganese	ND	6.0	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 1.9	H8GKWIAU
Molybdenum	ND	6.0	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 1.1	H8GKWIAV
Nickel	ND	6.0	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 3.5	H8GKWIAW
Lead	ND	1.2	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 0.34	H8GKWIAX
Selenium	ND	3.6	ug	SW846 6020 Dilution Factor: 1	07/12-07/17/06 MDL.....: 1.7	H8GKWIAO
Vanadium	<b>3.9 B,J</b>	<b>12.0</b>	<b>ug</b>	<b>SW846 6020</b> Dilution Factor: 1	<b>07/12-07/17/06</b> MDL.....: 2.9	<b>H8GKWIAl</b>

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000515

TOTAL Metals

Lot-Sample #....: G6F290300-007

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	07/12-07/17/06	H8GKW1AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6193490

Aluminum	ND	240	ug	SW846 6010B	07/13-07/18/06	H8GKW1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/13-07/18/06	H8GKW1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	21.2 B	120	ug	SW846 6010B	07/13-07/18/06	H8GKW1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	07/13-07/18/06	H8GKW1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GKW1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6197510

Mercury	0.17 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GKW1AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE (S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Brown and Caldwell

Client Sample ID: P-0683

## TOTAL Metals

Lot-Sample #....:	G6F290300-008			Matrix.....:	AIR	
Date Sampled....:	06/27/06			Date Received..:	06/29/06	
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	6193489					
Silver	0.014 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GKX1AH
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GKX1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/12-07/17/06	H8GKX1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.021 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GKX1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/12-07/17/06	H8GKX1AM
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GKX1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GKX1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	35.0	6.0	ug	SW846 6020	07/12-07/17/06	H8GKX1AQ
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	15.9	6.0	ug	SW846 6020	07/12-07/17/06	H8GKX1AR
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GKX1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GKX1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.7	1.2	ug	SW846 6020	07/12-07/17/06	H8GKX1AV
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GKX1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	4.7 B,J	12.0	ug	SW846 6020	07/12-07/17/06	H8GKX1AX
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0683

**TOTAL Metals**

Lot-Sample #...: G6F290300-008

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	07/12-07/17/06	H8GKX1AO	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #...: 6193490

Aluminum	403	240	ug	SW846 6010B	07/13-07/18/06	H8GKX1AC
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/13-07/18/06	H8GKX1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	500	120	ug	SW846 6010B	07/13-07/18/06	H8GKX1AE
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	262 B	600	ug	SW846 6010B	07/13-07/18/06	H8GKX1AF
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GKX1AG
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #...: 6197510

Mercury	0.11 B,J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GKX1AI
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Brown and Caldwell

Client Sample ID: P-0684

## TOTAL Metals

Lot-Sample #....: G6F290300-009 Date Sampled...: 06/27/06				Matrix.....: AIR Date Received..: 06/29/06	
PARAMETER	RESULT	REPORTING LIMIT	UNITS	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 6193489					
Silver	0.017 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GK11AH
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06 H8GK11AJ
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	07/12-07/17/06 H8GK11AK
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.039 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GK11AL
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	0.058 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GK11AM
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GK11AN
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GK11AP
		Dilution Factor: 1		MDL.....: 10.3	
Copper	26.0	6.0	ug	SW846 6020	07/12-07/17/06 H8GK11AQ
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	35.0	6.0	ug	SW846 6020	07/12-07/17/06 H8GK11AR
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GK11AT
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GK11AU
		Dilution Factor: 1		MDL.....: 3.5	
Lead	1.9	1.2	ug	SW846 6020	07/12-07/17/06 H8GK11AV
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06 H8GK11AW
		Dilution Factor: 1		MDL.....: 0.7	
Vanadium	5.1 B,J	12.0	ug	SW846 6020	07/12-07/17/06 H8GK11AX
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0684

**TOTAL Metals**

Lot-Sample #....: G6F290300-009

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	07/12-07/17/06	H8GK11AO	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6193490

Aluminum	674	240	ug	SW846 6010B	07/13-07/18/06	H8GK11AC
		Dilution Factor: 1		MDL.....: 40.8		

Calcium	ND	3000	ug	SW846 6010B	07/13-07/18/06	H8GK11AD
		Dilution Factor: 1		MDL.....: 898		

Iron	648	120	ug	SW846 6010B	07/13-07/18/06	H8GK11AE
		Dilution Factor: 1		MDL.....: 14.4		

Magnesium	355 B	600	ug	SW846 6010B	07/13-07/18/06	H8GK11AF
		Dilution Factor: 1		MDL.....: 97.2		

Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GK11AG
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6197510

Mercury	0.15 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GK11A1
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0685

**TOTAL Metals**

Lot-Sample #....: G6F290300-010

Matrix.....: AIR

Date Sampled...: 06/27/06

Date Received.: 06/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	6193489					
Silver	0.021 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GK21AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GK21AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/12-07/17/06	H8GK21AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.023 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GK21AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	0.055 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GK21AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GK21AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GK21AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	33.9	6.0	ug	SW846 6020	07/12-07/17/06	H8GK21AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	16.3	6.0	ug	SW846 6020	07/12-07/17/06	H8GK21AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GK21AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GK21AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.8	1.2	ug	SW846 6020	07/12-07/17/06	H8GK21AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GK21AO
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	4.8 B,J	12.0	ug	SW846 6020	07/12-07/17/06	H8GK21AI
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0685

**TOTAL Metals**

Lot-Sample #...: G6F290300-010

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	07/12-07/17/06	H8GK21AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #...: 6193490

Aluminum	360	240	ug	SW846 6010B	07/13-07/18/06	H8GK21AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/13-07/18/06	H8GK21AF
		Dilution Factor: 1		MDL.....: 898		
Iron	440	120	ug	SW846 6010B	07/13-07/18/06	H8GK21AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	265 B	600	ug	SW846 6010B	07/13-07/18/06	H8GK21AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GK21AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #...: 6197510

Mercury	0.15 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GK21AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0686

## TOTAL Metals

Lot-Sample #....: G6F290300-011 Date Sampled...: 06/27/06				Matrix.....: AIR Date Received..: 06/29/06	
PARAMETER	RESULT	REPORTING LIMIT	UNITS	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 6193489					
Silver	0.018 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GK41AK
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06 H8GK41AL
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	07/12-07/17/06 H8GK41AM
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.015 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GK41AN
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	0.070 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GK41AP
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GK41AQ
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GK41AR
		Dilution Factor: 1		MDL.....: 10.3	
Copper	26.8	6.0	ug	SW846 6020	07/12-07/17/06 H8GK41AT
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	18.9	6.0	ug	SW846 6020	07/12-07/17/06 H8GK41AU
		Dilution Factor: 1		MDL.....: 3.9	
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GK41AV
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GK41AW
		Dilution Factor: 1		MDL.....: 3.5	
Lead	2.0	1.2	ug	SW846 6020	07/12-07/17/06 H8GK41AX
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06 H8GK41A0
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	4.9 B,J	12.0	ug	SW846 6020	07/12-07/17/06 H8GK41A1
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0686

TOTAL Metals

Lot-Sample #...: G6F290300-011

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	9.4 B	24.0	ug	SW846 6020	07/12-07/17/06	H8GK41AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #...: 6193490

Aluminum	461	240	ug	SW846 6010B	07/13-07/18/06	H8GK41AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	946 B	3000	ug	SW846 6010B	07/13-07/18/06	H8GK41AF
		Dilution Factor: 1		MDL.....: 898		
Iron	539	120	ug	SW846 6010B	07/13-07/18/06	H8GK41AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	344 B	600	ug	SW846 6010B	07/13-07/18/06	H8GK41AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GK41AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #...: 6197510

Mercury	0.18 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GK41AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0687

TOTAL Metals

Lot-Sample #....: G6F290300-012                          Matrix.....: AIR  
Date Sampled...: 06/27/06                          Date Received..: 06/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	6193489					
Silver	0.014 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GK61AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GK61AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/12-07/17/06	H8GK61AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.026 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GK61AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	0.071 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GK61AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GK61AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GK61AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	24.4	6.0	ug	SW846 6020	07/12-07/17/06	H8GK61AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	19.2	6.0	ug	SW846 6020	07/12-07/17/06	H8GK61AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GK61AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GK61AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	2.4	1.2	ug	SW846 6020	07/12-07/17/06	H8GK61AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GK61AO
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	5.0 B,J	12.0	ug	SW846 6020	07/12-07/17/06	H8GK61Al
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0687

TOTAL Metals

Lot-Sample #...: G6F290300-012

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	07/12-07/17/06	H8GK61AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #...: 6193490

Aluminum	471	240	ug	SW846 6010B	07/13-07/18/06	H8GK61AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/13-07/18/06	H8GK61AF
		Dilution Factor: 1		MDL.....: 898		
Iron	558	120	ug	SW846 6010B	07/13-07/18/06	H8GK61AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	320 B	600	ug	SW846 6010B	07/13-07/18/06	H8GK61AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GK61AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #...: 6197510

Mercury	0.18 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GK61AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Brown and Caldwell

Client Sample ID: P-0688

## TOTAL Metals

Lot-Sample #....: G6F290300-013 Date Sampled....: 06/27/06				Matrix.....: AIR Date Received..: 06/29/06	
PARAMETER	RESULT	REPORTING LIMIT	UNITS	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>Prep Batch #....: 6193489</b>					
Silver	0.020 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GK71AK
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06 H8GK71AL
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	07/12-07/17/06 H8GK71AM
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.029 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GK71AN
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	0.054 B	1.2	ug	SW846 6020	07/12-07/17/06 H8GK71AP
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GK71AQ
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06 H8GK71AR
		Dilution Factor: 1		MDL.....: 10.3	
Copper	32.0	6.0	ug	SW846 6020	07/12-07/17/06 H8GK71AT
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	24.7	6.0	ug	SW846 6020	07/12-07/17/06 H8GK71AU
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GK71AV
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06 H8GK71AW
		Dilution Factor: 1		MDL.....: 3.5	
Lead	1.8	1.2	ug	SW846 6020	07/12-07/17/06 H8GK71AX
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06 H8GK71A0
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	5.1 B,J	12.0	ug	SW846 6020	07/12-07/17/06 H8GK71A1
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0688

**TOTAL Metals**

Lot-Sample #....: G6F290300-013

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	07/12-07/17/06	H8GK71AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6193490

Aluminum	628	240	ug	SW846 6010B	07/13-07/18/06	H8GK71AE
		Dilution Factor: 1		MDL.....: 40.8		

Calcium	916 B	3000	ug	SW846 6010B	07/13-07/18/06	H8GK71AF
		Dilution Factor: 1		MDL.....: 898		

Iron	689	120	ug	SW846 6010B	07/13-07/18/06	H8GK71AG
		Dilution Factor: 1		MDL.....: 14.4		

Magnesium	379 B	600	ug	SW846 6010B	07/13-07/18/06	H8GK71AH
		Dilution Factor: 1		MDL.....: 97.2		

Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GK71AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6197510

Mercury	0.20 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GK71AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE (S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Brown and Caldwell

Client Sample ID: P-0689

## TOTAL Metals

Lot-Sample #....: G6F290300-014

Matrix.....: AIR

Date Sampled...: 06/27/06

Date Received..: 06/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	6193489					
Silver	0.016 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GK81AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GK81AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/12-07/17/06	H8GK81AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.021 B	1.2	ug	SW846 6020	07/12-07/17/06	H8GK81AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/12-07/17/06	H8GK81AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GK81AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GK81AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	40.3	6.0	ug	SW846 6020	07/12-07/17/06	H8GK81AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	14.3	6.0	ug	SW846 6020	07/12-07/17/06	H8GK81AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GK81AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GK81AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.5	1.2	ug	SW846 6020	07/12-07/17/06	H8GK81AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GK81AO
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	4.7 B,J	12.0	ug	SW846 6020	07/12-07/17/06	H8GK81Al
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0689

TOTAL Metals

Lot-Sample #....: G6F290300-014

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	8.2 B	24.0	ug	SW846 6020	07/12-07/17/06	H8GK81AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6193490

Aluminum	342	240	ug	SW846 6010B	07/13-07/18/06	H8GK81AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/13-07/18/06	H8GK81AF
		Dilution Factor: 1		MDL.....: 898		
Iron	433	120	ug	SW846 6010B	07/13-07/18/06	H8GK81AG
		Dilution Factor: 1		MDL.....: 34.4		
Magnesium	237 B	600	ug	SW846 6010B	07/13-07/18/06	H8GK81AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GK81AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6197510

Mercury	0.20 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GK81AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0690

**TOTAL Metals**

Lot-Sample #....: G6F290300-015

Matrix.....: AIR

Date Sampled...: 06/27/06

Date Received..: 06/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>Prep Batch #....: 6193489</b>						
Silver	ND	1.2	ug	SW846 6020	07/12-07/17/06	H8GLA1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GLA1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	07/12-07/17/06	H8GLA1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	07/12-07/17/06	H8GLA1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	07/12-07/17/06	H8GLA1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GLA1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06	H8GLA1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GLA1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GLA1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GLA1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06	H8GLA1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	07/12-07/17/06	H8GLA1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06	H8GLA1AO
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.9 B,J	12.0	ug	SW846 6020	07/12-07/17/06	H8GLA1AI
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0690

TOTAL Metals

Lot-Sample #....: G6F290300-015

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	METHOD			
Zinc	ND	24.0	ug	SW846 6020	07/12-07/17/06	H8GLA1AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6193490

Aluminum	ND	240	ug	SW846 6010B	07/13-07/18/06	H8GLA1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	07/13-07/18/06	H8GLA1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	ND	120	ug	SW846 6010B	07/13-07/18/06	H8GLA1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	07/13-07/18/06	H8GLA1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	07/13-07/18/06	H8GLA1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6197510

Mercury	0.17 J	0.12	ug	SW846 7471A	07/13-07/17/06	H8GLA1AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

# QC DATA ASSOCIATION SUMMARY

G6F290300

## Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
002	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
003	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
004	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
005	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
006	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
007	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
008	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
009	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
010	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
011	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

G6F290300

## Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
012	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
013	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
014	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	
015	AIR	SW846 6020		6193489	
	AIR	SW846 7471A		6197510	
	AIR	SW846 6010B		6193490	

## METHOD BLANK REPORT

## TOTAL Metals

Client Lot #....: G6F290300

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MB Lot-Sample #: G6G120000-489 Prep Batch #...: 6193489</b>						
Arsenic	0.95 B	3.6	ug	SW846 6020	07/12-07/17/06	H84111AC
		Dilution Factor: 1				
Barium	ND	120	ug	SW846 6020	07/12-07/17/06	H84111AD
		Dilution Factor: 1				
Beryllium	ND	1.2	ug	SW846 6020	07/12-07/17/06	H84111AE
		Dilution Factor: 1				
Cadmium	ND	1.2	ug	SW846 6020	07/12-07/17/06	H84111AF
		Dilution Factor: 1				
Chromium	ND	12.0	ug	SW846 6020	07/12-07/17/06	H84111AH
		Dilution Factor: 1				
Cobalt	ND	12.0	ug	SW846 6020	07/12-07/17/06	H84111AG
		Dilution Factor: 1				
Copper	ND	6.0	ug	SW846 6020	07/12-07/17/06	H84111AJ
		Dilution Factor: 1				
Lead	ND	1.2	ug	SW846 6020	07/12-07/17/06	H84111AN
		Dilution Factor: 1				
Manganese	ND	6.0	ug	SW846 6020	07/12-07/17/06	H84111AK
		Dilution Factor: 1				
Molybdenum	ND	6.0	ug	SW846 6020	07/12-07/17/06	H84111AL
		Dilution Factor: 1				
Nickel	ND	6.0	ug	SW846 6020	07/12-07/17/06	H84111AM
		Dilution Factor: 1				
Selenium	ND	3.6	ug	SW846 6020	07/12-07/17/06	H84111AP
		Dilution Factor: 1				
Silver	ND	1.2	ug	SW846 6020	07/12-07/17/06	H84111AA
		Dilution Factor: 1				
Vanadium	3.9 B	12.0	ug	SW846 6020	07/12-07/17/06	H84111AQ
		Dilution Factor: 1				
Zinc	ND	24.0	ug	SW846 6020	07/12-07/17/06	H84111AR
		Dilution Factor: 1				

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## METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: G6F290300

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
<b>MB Lot-Sample #:</b> G6G120000-490 <b>Prep Batch #:</b> 6193490							
Aluminum	ND	240	ug	SW846 6010B		07/13-07/18/06	H842M1AA
		Dilution Factor: 1					
Calcium	ND	3000	ug	SW846 6010B		07/13-07/18/06	H842M1AC
		Dilution Factor: 1					
Iron	ND	120	ug	SW846 6010B		07/13-07/18/06	H842M1AD
		Dilution Factor: 1					
Magnesium	ND	600	ug	SW846 6010B		07/13-07/18/06	H842M1AE
		Dilution Factor: 1					
Sodium	ND	6000	ug	SW846 6010B		07/13-07/18/06	H842M1AF
		Dilution Factor: 1					

**MB Lot-Sample #:** G6G160000-510 **Prep Batch #:** 6197510

Mercury	0.042 B	0.12	ug	SW846 7471A		07/13-07/17/06	H9E0D1AA
		Dilution Factor: 1					

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**TOTAL Metals**

**Lot-Sample #....: G6F290300**

**Matrix.....: AIR**

PARAMETER	SPIKE	MEASURED	PERCNT			METHOD	PREPARATION-	PREP
	AMOUNT	AMOUNT	UNITS	RECVRY	RPD		ANALYSIS DATE	BATCH #
Arsenic	240	226	ug	94		SW846 6020	07/12-07/17/06	6193489
	240	218	ug	91	3.6	SW846 6020	07/12-07/17/06	6193489
Dilution Factor: 1								
Barium	240	237	ug	99		SW846 6020	07/12-07/17/06	6193489
	240	232	ug	97	2.1	SW846 6020	07/12-07/17/06	6193489
Dilution Factor: 1								
Beryllium	240	218	ug	91		SW846 6020	07/12-07/17/06	6193489
	240	212	ug	89	2.5	SW846 6020	07/12-07/17/06	6193489
Dilution Factor: 1								
Cadmium	240	223	ug	93		SW846 6020	07/12-07/17/06	6193489
	240	218	ug	91	2.3	SW846 6020	07/12-07/17/06	6193489
Dilution Factor: 1								
Chromium	240	234	ug	98		SW846 6020	07/12-07/17/06	6193489
	240	227	ug	95	3.1	SW846 6020	07/12-07/17/06	6193489
Dilution Factor: 1								
Cobalt	240	238	ug	99		SW846 6020	07/12-07/17/06	6193489
	240	230	ug	96	3.8	SW846 6020	07/12-07/17/06	6193489
Dilution Factor: 1								
Copper	240	246	ug	103		SW846 6020	07/12-07/17/06	6193489
	240	235	ug	98	4.5	SW846 6020	07/12-07/17/06	6193489
Dilution Factor: 1								
Lead	240	242	ug	101		SW846 6020	07/12-07/17/06	6193489
	240	237	ug	99	1.9	SW846 6020	07/12-07/17/06	6193489
Dilution Factor: 1								
Manganese	240	236	ug	98		SW846 6020	07/12-07/17/06	6193489
	240	230	ug	96	2.8	SW846 6020	07/12-07/17/06	6193489
Dilution Factor: 1								
Molybdenum	240	241	ug	100		SW846 6020	07/12-07/17/06	6193489
	240	233	ug	97	3.3	SW846 6020	07/12-07/17/06	6193489
Dilution Factor: 1								

(Continued on next page)

**LABORATORY CONTROL SAMPLE DATA REPORT**

**TOTAL Metals**

**Lot-Sample #...: G6F290300**

**Matrix.....: AIR**

PARAMETER	SPIKE	MEASURED	PERCNT			METHOD	PREPARATION-	PREP
	AMOUNT	AMOUNT	UNITS	RECVRY	RPD		ANALYSIS DATE	BATCH #
Nickel	240	248	ug	103		SW846 6020	07/12-07/17/06	6193489
	240	236	ug	98	5.0	SW846 6020	07/12-07/17/06	6193489
	Dilution Factor: 1							
Selenium	240	218	ug	91		SW846 6020	07/12-07/17/06	6193489
	240	213	ug	89	2.3	SW846 6020	07/12-07/17/06	6193489
	Dilution Factor: 1							
Silver	60.0	58.0	ug	97		SW846 6020	07/12-07/17/06	6193489
	60.0	56.3	ug	94	3.0	SW846 6020	07/12-07/17/06	6193489
	Dilution Factor: 1							
Vanadium	240	233	ug	97		SW846 6020	07/12-07/17/06	6193489
	240	226	ug	94	2.8	SW846 6020	07/12-07/17/06	6193489
	Dilution Factor: 1							
Zinc	240	228	ug	95		SW846 6020	07/12-07/17/06	6193489
	240	215	ug	90	5.7	SW846 6020	07/12-07/17/06	6193489
	Dilution Factor: 1							
Aluminum	2400	2580	ug	107		SW846 6010B	07/13-07/18/06	6193490
	2400	2500	ug	104	3.0	SW846 6010B	07/13-07/18/06	6193490
	Dilution Factor: 1							
Calcium	60000	63100	ug	105		SW846 6010B	07/13-07/18/06	6193490
	60000	60900	ug	101	3.6	SW846 6010B	07/13-07/18/06	6193490
	Dilution Factor: 1							
Iron	1200	1280	ug	107		SW846 6010B	07/13-07/18/06	6193490
	1200	1280	ug	107	0.10	SW846 6010B	07/13-07/18/06	6193490
	Dilution Factor: 1							
Magnesium	60000	64400	ug	107		SW846 6010B	07/13-07/18/06	6193490
	60000	62000	ug	103	3.8	SW846 6010B	07/13-07/18/06	6193490
	Dilution Factor: 1							
Sodium	60000	60900	ug	102		SW846 6010B	07/13-07/18/06	6193490
	60000	58800	ug	98	3.5	SW846 6010B	07/13-07/18/06	6193490
	Dilution Factor: 1							

(Continued on next page)

**LABORATORY CONTROL SAMPLE DATA REPORT**

**TOTAL Metals**

**Lot-Sample #....:** G6F290300

**Matrix.....:** AIR

PARAMETER	SPIKE	MEASURED		PERCNT			METHOD	PREPARATION-	PREP
	AMOUNT	AMOUNT	UNITS	RECVRY	RPD	ANALYSIS DATE		BATCH #	
Mercury	0.600	0.642	ug	1.07		07/13-07/17/06	SW846 7471A	6197510	
	0.600	0.618	ug	1.03	3.8	07/13-07/17/06	SW846 7471A	6197510	

Dilution Factor: 1

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Lot-Sample #....: G6F290300**

**Matrix.....: AIR**

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP-</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Arsenic	94	(75 - 125)		SW846 6020	07/12-07/17/06	6193489
	91	(75 - 125)	3.6	(0-20)	07/12-07/17/06	6193489
		Dilution Factor: 1				
Barium	99	(75 - 125)		SW846 6020	07/12-07/17/06	6193489
	97	(75 - 125)	2.1	(0-20)	07/12-07/17/06	6193489
		Dilution Factor: 1				
Beryllium	91	(75 - 125)		SW846 6020	07/12-07/17/06	6193489
	89	(75 - 125)	2.5	(0-20)	07/12-07/17/06	6193489
		Dilution Factor: 1				
Cadmium	93	(75 - 125)		SW846 6020	07/12-07/17/06	6193489
	91	(75 - 125)	2.3	(0-20)	07/12-07/17/06	6193489
		Dilution Factor: 1				
Chromium	98	(75 - 125)		SW846 6020	07/12-07/17/06	6193489
	95	(75 - 125)	3.1	(0-20)	07/12-07/17/06	6193489
		Dilution Factor: 1				
Cobalt	99	(75 - 125)		SW846 6020	07/12-07/17/06	6193489
	96	(75 - 125)	3.8	(0-20)	07/12-07/17/06	6193489
		Dilution Factor: 1				
Copper	103	(75 - 125)		SW846 6020	07/12-07/17/06	6193489
	98	(75 - 125)	4.5	(0-20)	07/12-07/17/06	6193489
		Dilution Factor: 1				
Lead	101	(75 - 125)		SW846 6020	07/12-07/17/06	6193489
	99	(75 - 125)	1.9	(0-20)	07/12-07/17/06	6193489
		Dilution Factor: 1				
Manganese	98	(75 - 125)		SW846 6020	07/12-07/17/06	6193489
	96	(75 - 125)	2.8	(0-20)	07/12-07/17/06	6193489
		Dilution Factor: 1				
Molybdenum	100	(75 - 125)		SW846 6020	07/12-07/17/06	6193489
	97	(75 - 125)	3.3	(0-20)	07/12-07/17/06	6193489
		Dilution Factor: 1				

(Continued on next page)

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

Lot-Sample #....: G6F290300						Matrix.....: AIR		
PARAMETER	PERCENT	RECOVERY	RPD	METHOD	PREPARATION-	PREP-	BATCH #	
	RECOVERY	LIMITS	RPD		LIMITS	ANALYSIS DATE		
Nickel	103	(75 - 125)		SW846 6020		07/12-07/17/06	6193489	
	98	(75 - 125)	5.0	SW846 6020		07/12-07/17/06	6193489	
			Dilution Factor: 1					
Selenium	91	(75 - 125)		SW846 6020		07/12-07/17/06	6193489	
	89	(75 - 125)	2.3	SW846 6020		07/12-07/17/06	6193489	
			Dilution Factor: 1					
Silver	97	(75 - 125)		SW846 6020		07/12-07/17/06	6193489	
	94	(75 - 125)	3.0	SW846 6020		07/12-07/17/06	6193489	
			Dilution Factor: 1					
Vanadium	97	(75 - 125)		SW846 6020		07/12-07/17/06	6193489	
	94	(75 - 125)	2.8	SW846 6020		07/12-07/17/06	6193489	
			Dilution Factor: 1					
Zinc	95	(75 - 125)		SW846 6020		07/12-07/17/06	6193489	
	90	(75 - 125)	5.7	SW846 6020		07/12-07/17/06	6193489	
			Dilution Factor: 1					
Aluminum	107	(75 - 125)		SW846 6010B		07/13-07/18/06	6193490	
	104	(75 - 125)	3.0	SW846 6010B		07/13-07/18/06	6193490	
			Dilution Factor: 1					
Calcium	105	(75 - 125)		SW846 6010B		07/13-07/18/06	6193490	
	101	(75 - 125)	3.6	SW846 6010B		07/13-07/18/06	6193490	
			Dilution Factor: 1					
Iron	107	(75 - 125)		SW846 6010B		07/13-07/18/06	6193490	
	107	(75 - 125)	0.10	SW846 6010B		07/13-07/18/06	6193490	
			Dilution Factor: 1					
Magnesium	107	(75 - 125)		SW846 6010B		07/13-07/18/06	6193490	
	103	(75 - 125)	3.8	SW846 6010B		07/13-07/18/06	6193490	
			Dilution Factor: 1					
Sodium	102	(75 - 125)		SW846 6010B		07/13-07/18/06	6193490	
	98	(75 - 125)	3.5	SW846 6010B		07/13-07/18/06	6193490	
			Dilution Factor: 1					

(Continued on next page)

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

## TOTAL Metals

Lot-Sample #....: G6F290300

Matrix.....: AIR

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP-</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Mercury	107	(75 - 125)		SW846 7471A	07/13-07/17/06	6197510
	103	(75 - 125)	3.8 (0-20)	SW846 7471A	07/13-07/17/06	6197510

Dilution Factor: 1

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

# AIR, TSP & PM-10

Brown and Caldwell

Client Sample ID: 000509

General Chemistry

Lot-Sample #....: G6F290300-001      Work Order #....: H8GKJ      Matrix.....: AIR  
Date Sampled...: 06/27/06      Date Received...: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0658	0.0001	g	CFR50B APDX B	07/08-07/10/06	6195482

Brown and Caldwell

Client Sample ID: 000510

General Chemistry

Lot-Sample #....: G6F290300-002      Work Order #....: H8GKL      Matrix.....: AIR  
Date Sampled...: 06/27/06      Date Received...: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0907	0.0001	g	CFR50B APDX B	07/08-07/10/06	6195482

Brown and Caldwell

Client Sample ID: 000511

General Chemistry

Lot-Sample #....: G6F290300-003      Work Order #....: H8GKM      Matrix.....: AIR  
Date Sampled...: 06/27/06      Date Received...: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Total Suspended Particulates	0.0432	0.0001	g	CFR50B APDX B	07/08-07/10/06	6195482

Brown and Caldwell

Client Sample ID: 000512

General Chemistry

Lot-Sample #....: G6F290300-004      Work Order #....: H8GKQ      Matrix.....: AIR  
Date Sampled...: 06/27/06      Date Received...: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0645	0.0001	g	CFR50B APDX B	07/08-07/10/06	6195482

Brown and Caldwell

Client Sample ID: 000513

General Chemistry

Lot-Sample #....: G6F290300-005      Work Order #....: H8GKR      Matrix.....: AIR  
Date Sampled...: 06/27/06      Date Received..: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0662	0.0001	g	CFR50B APDX B	07/08-07/10/06	6195482

Brown and Caldwell

Client Sample ID: 000514

General Chemistry

Lot-Sample #....: G6F290300-006      Work Order #....: H8GKV      Matrix.....: AIR  
Date Sampled...: 06/27/06      Date Received..: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0887	0.0001	g	CFR50B APDX B	07/08-07/10/06	6195482

Brown and Caldwell

Client Sample ID: 000515

General Chemistry

Lot-Sample #....: G6F290300-007      Work Order #....: H8GKW      Matrix.....: AIR  
Date Sampled...: 06/27/06      Date Received..: 06/29/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Total Suspended Particulates	ND	0.0001	g	CFR50B APDX B	07/08-07/10/06	6195482

Brown and Caldwell

Client Sample ID: P-0683

General Chemistry

Lot-Sample #....: G6F290300-008      Work Order #....: H8GKX      Matrix.....: AIR  
Date Sampled...: 06/27/06      Date Received...: 06/29/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Particulate Matter as PM10	0.0223	0.0001	g	CFR50J APPX J	07/08-07/09/06	6195485

Brown and Caldwell

Client Sample ID: P-0684

General Chemistry

Lot-Sample #....: G6F290300-009      Work Order #....: H8GK1      Matrix.....: AIR  
Date Sampled....: 06/27/06      Date Received...: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0351	0.0001	g	CFR50J APDX J	07/08-07/09/06	6195485

Brown and Caldwell

Client Sample ID: P-0685

General Chemistry

Lot-Sample #....: G6F290300-010      Work Order #....: H8GK2      Matrix.....: AIR  
Date Sampled...: 06/27/06      Date Received...: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0233	0.0001	g	CFR50J APDX J	07/08-07/09/06	6195485

Brown and Caldwell

Client Sample ID: P-0686

General Chemistry

Lot-Sample #....: G6F290300-011      Work Order #....: H8GK4      Matrix.....: AIR  
Date Sampled....: 06/27/06      Date Received...: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0298	0.0001	g	CFR50J APDX J	07/08-07/09/06	6195485

Brown and Caldwell

Client Sample ID: P-0687

**General Chemistry**

Lot-Sample #....: G6F290300-012      Work Order #....: H8GK6      Matrix.....: AIR  
Date Sampled....: 06/27/06      Date Received..: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0289	0.0001	g	CFR50J APDX J	07/08-07/09/06	6195485

Brown and Caldwell

Client Sample ID: P-0688

General Chemistry

Lot-Sample #....: G6F290300-013      Work Order #....: H8GK7      Matrix.....: AIR  
Date Sampled...: 06/27/06      Date Received...: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0336	0.0001	g	CFR50J APDX J	07/08-07/09/06	6195485

Brown and Caldwell

Client Sample ID: P-0689

General Chemistry

Lot-Sample #....: G6F290300-014      Work Order #....: H8GK8      Matrix.....: AIR  
Date Sampled....: 06/27/06      Date Received...: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0243	0.0001	g	CFR50J APDX J	07/08-07/09/06	6195485

Brown and Caldwell

Client Sample ID: P-0690

General Chemistry

Lot-Sample #....: G6F290300-015      Work Order #....: H8GLA      Matrix.....: AIR  
Date Sampled...: 06/27/06      Date Received..: 06/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	ND	0.0001	g	CFR50J APDX J	07/08-07/09/06	6195485

# AIR, Metals - Various Methods

## **Raw Data Package**

**ICP**

G6F290300

## STL Sacramento

## RUN SUMMARY

Method: 6010

PE ICP2 (P05)

Reported: 07/19/06 09:29:03

File ID: JUL1806BX.csv

Analyst: WONGA

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	Calib_Blk			1.0	07/18/06 09:54		<input type="checkbox"/>
2	Calib_Std_1			1.0	07/18/06 09:58		<input type="checkbox"/>
3	Calib_Std_2			1.0	07/18/06 10:00		<input type="checkbox"/>
4	ICV4			1.0	07/18/06 10:02		<input type="checkbox"/>
5	ICB			1.0	07/18/06 10:05		<input type="checkbox"/>
6	PQL			1.0	07/18/06 10:08		<input type="checkbox"/>
7	ICSA			1.0	07/18/06 10:12		<input type="checkbox"/>
8	ICSAB_4.0			1.0	07/18/06 10:14		<input type="checkbox"/>
9	FB1815158-1			1.0	07/18/06 10:21		<input type="checkbox"/>
10	H842MB	G6G120000	6193490	2A	1.0	07/18/06 10:25	<input type="checkbox"/>
11	H842MC	G6G120000	6193490	2A	1.0	07/18/06 10:28	<input type="checkbox"/>
12	H842ML	G6G120000	6193490	2A	1.0	07/18/06 10:32	<input type="checkbox"/>
13	H8GKJ	G6F290300-1	6193490	2A	1.0	07/18/06 10:35	<input type="checkbox"/>
14	H8GKJP5	G6F290300	6193490		5.0	07/18/06 10:38	<input type="checkbox"/>
15	CCV				1.0	07/18/06 10:42	<input type="checkbox"/>
16	CCB				1.0	07/18/06 10:45	<input type="checkbox"/>
17	H8GKJZ	G6F290300-1	6193490		1.0	07/18/06 10:48	<input type="checkbox"/>
18	H8GKL	G6F290300-2	6193490	2A	1.0	07/18/06 10:51	<input type="checkbox"/>
19	H8GKM	G6F290300-3	6193490	2A	1.0	07/18/06 10:55	<input type="checkbox"/>
20	H8GKQ	G6F290300-4	6193490	2A	1.0	07/18/06 10:59	<input type="checkbox"/>
21	H8GKR	G6F290300-5	6193490	2A	1.0	07/18/06 11:02	<input type="checkbox"/>
22	H8GKV	G6F290300-6	6193490	2A	1.0	07/18/06 11:06	<input type="checkbox"/>
23	H8GKW	G6F290300-7	6193490	2A	1.0	07/18/06 11:09	<input type="checkbox"/>
24	H8GKX	G6F290300-8	6193490	2A	1.0	07/18/06 11:13	<input type="checkbox"/>
25	H8GK1	G6F290300-9	6193490	2A	1.0	07/18/06 11:16	<input type="checkbox"/>
26	H8GK2	G6F290300-10	6193490	2A	1.0	07/18/06 11:20	<input type="checkbox"/>
27	CCV				1.0	07/18/06 11:24	<input type="checkbox"/>
28	CCB				1.0	07/18/06 11:26	<input type="checkbox"/>
29	H8GK4	G6F290300-11	6193490	2A	1.0	07/18/06 11:30	<input type="checkbox"/>
30	H8GK6	G6F290300-12	6193490	2A	1.0	07/18/06 11:33	<input type="checkbox"/>
31	H8GK7	G6F290300-13	6193490	2A	1.0	07/18/06 11:37	<i>rerun, autosampler miss</i> <input type="checkbox"/>
32	H8GK8	G6F290300-14	6193490	2A	1.0	07/18/06 11:46	<input type="checkbox"/>
33	H8GLA	G6F290300-15	6193490	2A	1.0	07/18/06 11:54	<input type="checkbox"/>
34	FB1815158-2				1.0	07/18/06 11:58	<input type="checkbox"/>
35	H87JAB	G6G130000	6194464	2A	1.0	07/18/06 12:02	<input type="checkbox"/>
36	H87JAC	G6G130000	6194464	2A	1.0	07/18/06 12:05	<input type="checkbox"/>
37	H87JAL	G6G130000	6194464	2A	1.0	07/18/06 12:08	<input type="checkbox"/>
38	CCV				1.0	07/18/06 12:11	<input type="checkbox"/>
39	CCB				1.0	07/18/06 12:14	<input type="checkbox"/>
40	H87JAC	G6G130000	6194464	2A	1.0	07/18/06 12:17	<i>not used</i> <input type="checkbox"/>
41	H87JAL	G6G130000	6194464	2A	1.0	07/18/06 12:20	<input type="checkbox"/>
42	H8QTL	G6G060239-1	6194464	2A	1.0	07/18/06 12:23	<input type="checkbox"/>
43	H8QTLP5	G6G060239	6194464		5.0	07/18/06 12:27	<input type="checkbox"/>
44	H8QTLZ	G6G060239-1	6194464		1.0	07/18/06 12:31	<input type="checkbox"/>
45	H8QTN	G6G060239-2	6194464	2A	1.0	07/18/06 12:34	<input type="checkbox"/>
46	H8QTQ	G6G060239-3	6194464	2A	1.0	07/18/06 12:38	<input type="checkbox"/>

## STL Sacramento

## RUN SUMMARY

Method: 6010

PE ICP2 (P05)

Reported: 07/19/06 09:29:03

File ID: JUL1806BX.csv

Analyst: WONGA

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
47	H8QTT	G6G060239-4	6194464	2A	1.0 07/18/06 12:42		<input type="checkbox"/>
48	H8QTV	G6G060239-5	6194464	2A	1.0 07/18/06 12:45		<input type="checkbox"/>
49	H8QTW	G6G060239-6	6194464	2A	1.0 07/18/06 12:49		<input type="checkbox"/>
50	CCV				1.0 07/18/06 12:53		<input type="checkbox"/>
51	CCB				1.0 07/18/06 12:55		<input type="checkbox"/>
52	H8QTX	G6G060239-7	6194464	2A	1.0 07/18/06 12:59		<input type="checkbox"/>
53	H8QT1	G6G060239-8	6194464	2A	1.0 07/18/06 13:02		<input type="checkbox"/>
54	H8QT2	G6G060239-9	6194464	2A	1.0 07/18/06 13:06		<input type="checkbox"/>
55	H8QT3	G6G060239-10	6194464	2A	1.0 07/18/06 13:09		<input type="checkbox"/>
56	H8QT5	G6G060239-11	6194464	2A	1.0 07/18/06 13:13		<input type="checkbox"/>
57	H8QT6	G6G060239-12	6194464	2A	1.0 07/18/06 13:17		<input type="checkbox"/>
58	H8QT7	G6G060239-13	6194464	2A	1.0 07/18/06 13:21		<input type="checkbox"/>
59	H8QT8	G6G060239-14	6194464	2A	1.0 07/18/06 13:25		<input type="checkbox"/>
60	H8QT9	G6G060239-15	6194464	2A	1.0 07/18/06 13:28		<input type="checkbox"/>
61	H8GK7	G6F290300-13	6193490	2A	1.0 07/18/06 13:32		<input type="checkbox"/>
62	CCV				1.0 07/18/06 13:37		<input type="checkbox"/>
63	CCB				1.0 07/18/06 13:39		<input type="checkbox"/>

STL Sacramento

## INTERNAL STANDARD SUMMARY

Method: 6010 ()

PE ICP2 (P05)

Reported: 07/19/06 09:29:03

File ID: JUL1806BX.csv

Analyst: WONGA

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_Axial	Y_Radial	Q
1	Calib_Blank_	07/18/06 09:54	0.0	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
2	Calib Std 1	07/18/06 09:58	0.0	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
3	Calib Std 2	07/18/06 10:00	0.0	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
4	ICV4	07/18/06 10:02	95.3	96.8	97.3	100.8	96.6	100.0	<input checked="" type="checkbox"/>
5	ICB	07/18/06 10:05	98.2	97.9	98.3	100.4	98.3	100.5	<input checked="" type="checkbox"/>
6	PQL	07/18/06 10:08	98.5	98.5	98.2	98.8	98.4	99.4	<input checked="" type="checkbox"/>
7	ICSA	07/18/06 10:12	73.2	84.1	81.0	88.9	80.8	88.6	<input checked="" type="checkbox"/>
8	ICSAB_4.0	07/18/06 10:14	75.9	85.4	83.7	89.1	83.6	90.1	<input checked="" type="checkbox"/>
9	FB1815158-1	07/18/06 10:21	101.2	102.0	100.9	102.3	101.0	102.5	<input checked="" type="checkbox"/>
10	H842MB	07/18/06 10:25	100.3	100.6	100.0	100.4	100.5	101.1	<input checked="" type="checkbox"/>
11	H842MC	07/18/06 10:28	91.7	96.7	95.6	100.3	94.7	99.0	<input checked="" type="checkbox"/>
12	H842ML	07/18/06 10:32	92.0	96.8	93.8	99.4	93.1	98.0	<input checked="" type="checkbox"/>
13	H8GKJ	07/18/06 10:35	100.6	103.0	101.7	102.0	101.4	102.1	<input checked="" type="checkbox"/>
14	H8GKJP5	07/18/06 10:38	98.8	99.6	99.3	102.7	99.3	102.5	<input checked="" type="checkbox"/>
15	CCV	07/18/06 10:42	91.1	94.2	95.2	96.7	94.4	95.5	<input checked="" type="checkbox"/>
16	CCB	07/18/06 10:45	99.2	100.1	99.2	99.0	98.9	99.1	<input checked="" type="checkbox"/>
17	H8GKJZ	07/18/06 10:48	92.8	99.0	95.7	99.4	95.0	98.2	<input checked="" type="checkbox"/>
18	H8GKL	07/18/06 10:51	102.0	104.0	101.5	106.2	101.3	106.1	<input checked="" type="checkbox"/>
19	H8GKM	07/18/06 10:55	102.0	103.0	101.7	104.6	101.8	104.7	<input checked="" type="checkbox"/>
20	H8GKQ	07/18/06 10:59	102.1	104.1	101.5	106.0	101.4	105.9	<input checked="" type="checkbox"/>
21	H8GKR	07/18/06 11:02	103.8	105.9	103.3	108.7	103.2	106.5	<input checked="" type="checkbox"/>
22	H8GKV	07/18/06 11:06	101.2	104.9	100.9	104.6	100.8	104.1	<input checked="" type="checkbox"/>
23	H8GKW	07/18/06 11:09	102.5	103.6	102.1	101.7	102.4	102.2	<input checked="" type="checkbox"/>
24	H8GKX	07/18/06 11:13	101.3	102.9	100.9	106.3	101.0	106.3	<input checked="" type="checkbox"/>
25	H8GK1	07/18/06 11:16	101.9	104.2	101.7	102.1	101.7	102.2	<input checked="" type="checkbox"/>
26	H8GK2	07/18/06 11:20	101.4	103.5	101.2	104.1	101.2	104.1	<input checked="" type="checkbox"/>
27	CCV	07/18/06 11:24	92.5	95.7	94.7	98.1	95.2	96.5	<input checked="" type="checkbox"/>
28	CCB	07/18/06 11:26	100.6	101.5	100.8	103.0	100.8	103.2	<input checked="" type="checkbox"/>
29	H8GK4	07/18/06 11:30	103.2	104.2	102.8	105.6	102.9	105.7	<input checked="" type="checkbox"/>
30	H8GK6	07/18/06 11:33	103.2	103.6	102.8	104.5	102.8	104.8	<input checked="" type="checkbox"/>
31	H8GK7	07/18/06 11:37	255.4	225.5	253.6	242.5	255.0	245.3	<input type="checkbox"/>
32	H8GK8	07/18/06 11:46	100.6	102.8	101.0	103.3	101.0	103.6	<input checked="" type="checkbox"/>
33	H8GLA	07/18/06 11:54	102.4	102.5	101.4	103.7	101.5	104.1	<input checked="" type="checkbox"/>
34	FB1815158-2	07/18/06 11:58	101.4	104.1	101.0	106.4	101.1	106.5	<input checked="" type="checkbox"/>
35	H87JAB	07/18/06 12:02	101.8	102.5	101.4	105.6	101.8	106.0	<input checked="" type="checkbox"/>
36	H87JAC	07/18/06 12:05	92.3	97.5	94.3	99.1	93.5	97.8	<input checked="" type="checkbox"/>
37	H87JAL	07/18/06 12:08	91.5	97.7	93.8	100.7	93.0	99.4	<input checked="" type="checkbox"/>
38	CCV	07/18/06 12:11	91.4	95.9	94.2	97.5	93.8	96.7	<input checked="" type="checkbox"/>
39	CCB	07/18/06 12:14	100.4	101.0	100.3	102.2	100.2	102.2	<input checked="" type="checkbox"/>
40	H87JAC	07/18/06 12:17	92.2	98.1	95.4	100.5	94.6	99.1	<input checked="" type="checkbox"/>
41	H87JAL	07/18/06 12:20	92.6	99.1	97.2	100.0	96.4	98.6	<input checked="" type="checkbox"/>
42	H8QTL	07/18/06 12:23	102.2	103.4	102.5	105.6	102.3	105.5	<input checked="" type="checkbox"/>
43	H8QTLP5	07/18/06 12:27	98.4	100.6	98.8	103.0	98.8	102.9	<input checked="" type="checkbox"/>
44	H8QTLZ	07/18/06 12:31	91.4	98.7	95.9	101.4	95.2	99.8	<input checked="" type="checkbox"/>
45	H8QTN	07/18/06 12:34	101.5	102.9	101.9	106.8	101.8	106.7	<input checked="" type="checkbox"/>
46	H8QTQ	07/18/06 12:38	100.2	101.1	101.7	104.3	101.3	104.3	<input checked="" type="checkbox"/>

STL Sacramento

## INTERNAL STANDARD SUMMARY

Method: 6010()

PE ICP2 (P05)

Reported: 07/19/06 09:29:03

File ID: JUL1806BX.csv

Analyst: WONGA

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_Axial	Y_Radial	Q
47	H8QTT	07/18/06 12:42	101.8	102.8	101.2	104.5	100.9	104.5	<input checked="" type="checkbox"/>
48	H8QTV	07/18/06 12:45	101.2	102.1	102.9	105.0	102.5	104.9	<input checked="" type="checkbox"/>
49	H8QTW	07/18/06 12:49	99.8	101.8	100.1	102.8	100.0	102.8	<input checked="" type="checkbox"/>
50	CCV	07/18/06 12:53	89.2	94.6	94.4	96.9	92.0	96.3	<input checked="" type="checkbox"/>
51	CCB	07/18/06 12:55	98.3	99.8	98.4	97.8	98.4	98.1	<input checked="" type="checkbox"/>
52	H8QTX	07/18/06 12:59	101.2	102.8	101.1	106.4	100.8	106.2	<input checked="" type="checkbox"/>
53	H8QT1	07/18/06 13:02	101.5	103.8	101.8	103.7	101.6	103.6	<input checked="" type="checkbox"/>
54	H8QT2	07/18/06 13:06	100.4	102.8	100.7	104.5	100.5	104.4	<input checked="" type="checkbox"/>
55	H8QT3	07/18/06 13:09	102.2	102.3	102.4	103.5	102.1	103.4	<input checked="" type="checkbox"/>
56	H8QT5	07/18/06 13:13	99.6	102.4	100.1	105.4	99.9	105.2	<input checked="" type="checkbox"/>
57	H8QT6	07/18/06 13:17	98.8	102.7	99.3	105.0	99.1	105.0	<input checked="" type="checkbox"/>
58	H8QT7	07/18/06 13:21	100.7	103.7	101.3	105.3	101.1	105.2	<input checked="" type="checkbox"/>
59	H8QT8	07/18/06 13:25	100.6	102.0	100.3	103.6	100.6	104.0	<input checked="" type="checkbox"/>
60	H8QT9	07/18/06 13:28	100.8	103.0	100.7	104.2	100.8	104.7	<input checked="" type="checkbox"/>
61	H8GK7	07/18/06 13:32	101.4	102.4	101.3	102.9	101.3	103.1	<input checked="" type="checkbox"/>
62	CCV	07/18/06 13:37	89.9	93.4	93.1	96.9	92.9	95.0	<input checked="" type="checkbox"/>
63	CCB	07/18/06 13:39	99.3	99.7	99.6	102.6	99.5	102.7	<input checked="" type="checkbox"/>

Run/Project Information:

Run Date: 07/18/06 Analyst: ANONG Instrument: P05

Prep Batches Run: 6193490, 6194464

Circle Method used: 6010B / 200.7: SAC-MT-0003 Rev. 2.0

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels ?	✓			—
2. ICV/CCV analyzed at appropriate frequency and within control limits ? (6010B, CLP = 90 - 110%, 200.7 = 95 -105%[ICV])	✓			—
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			✓
4. CRI analyzed? (for CLP only)	✓			—
5. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?		✓		—
2. All reported results bracketed by in control QC ?	✓			✓
3. Sample analyses done within holding time ?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			—
3. MS run at required frequency and within limits ?		✓		—
4. MSD or DU run at required frequency and RPD within SOP limits ?		✓		✓
5. Dilution Test done per prep batch (or per SDG for CLP) ?	✓			✓
6. Post digest spike analyzed if required (CLP only) ?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately ?	✓	✓		—
2. Current IDL/LR/IEC data on file ?	✓			—
3. Calculations checked for error ?	✓			—
4. Transcriptions checked for error ?	✓			—
5. All client/project specific requirements met ?	✓			—
6. Date/time of analysis verified as correct ?	✓			—

Analyst: ANONG

Date: 07/19/06

Comments: \_\_\_\_\_

2nd Level Reviewer: MFT Date: 7/19/06

Comments: \_\_\_\_\_

STL Sacramento

Method 6010B Instrument QC Standards



Chemist: AWong

Run Date: 07/18/06

Type of Analysis: Trace ICP (AirTox)

Instrument ID: P05

Standard Expiration Dates Verified: 07/18/06

<u>Standard Name</u>	<u>Standard Logbook ID</u>
STD0 (Cal Blank) / ICB / CCB	2696-16-6
STD1 (Cal Std 1)	2869-05
STD2 (Cal Std 2)	2869-06
STD3 (Cal Std 3)	NA
STD4 (Cal Std 4)	NA
ICV	2680-42
ICV2	NA
PQLCRI	1750-018-3
ICSA	2680-69
ICSAB	2680-70
CCV	2869-07
Internal Standard	2696-21-6

Sequence No.: 1  
Sample ID: Calib\_Bank\_1  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 5  
Date Collected: 7/18/2006 9:54:22 AM  
Data Type: Reprocessed on 7/18/2006 2:00:52 PM  
Initial Sample Vol:  
Sample Prep Vol:

## Mean Data: Calib\_Bank\_1

Analyte	Mean Corrected		Calib		
	Intensity	Std.Dev.	RSD	Conc.	Units
In Axial	419647.5	2301.19	0.55%	100.00	%
In Radial	17765.1	32.46	0.18%	100.00	%
Y_Axial	2011570.8	12106.14	0.60%	100.00	%
Y_Radial	204315.5	1114.30	0.55%	100.00	%
Sc Axial	3893212.9	23641.35	0.61%	100.00	%
Sc Radial	383661.4	2765.26	0.72%	100.00	%
Al_1 396.153 Rt	183.3	51.73	28.23%	[0.00]	mg/L
Al_2 308.215 Rt	236.0	7.98	3.38%	[0.00]	mg/L
Ca 315.887 Rt	-501.0	10.57	2.11%	[0.00]	mg/L
Fe_1 273.955†	40.2	15.30	38.09%	[0.00]	mg/L
Fe_2 238.863 Rt	44.9	3.20	7.14%	[0.00]	mg/L
Mg 279.077 Rt	-70.8	4.42	6.24%	[0.00]	mg/L
Na_1 589.592 Rt	.2596.9	31.28	1.20%	[0.00]	mg/L
Na_2 330.237 Rt	69.4	2.03	2.92%	[0.00]	mg/L
Zn 206.200†	32.3	4.16	12.90%	[0.00]	mg/L

Sequence No.: 2  
 Sample ID: Calib\_Std\_1  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 2  
 Date Collected: 7/18/2006 9:58:05 AM  
 Data Type: Reprocessed on 7/18/2006 2:00:54 PM  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: Calib\_Std\_1

Analyte	Mean Corrected		Calib		
	Intensity	Std.Dev.	RSD	Conc.	Units
In Axial	377588.6	1740.00	0.46%	89.978	%
In Radial	16369.0	28.83	0.18%	92.142	%
Y_Axial	1902973.3	9045.53	0.48%	94.601	%
Y_Radial	194518.8	925.24	0.48%	95.205	%
Sc Axial	3716276.6	18573.65	0.50%	95.455	%
Sc Radial	368170.9	1449.94	0.39%	95.962	%
Al_1 396.153 Rt	611776.2	3199.69	0.52%	[50]	mg/L
Al_2 308.215 Rt	166487.4	278.32	0.17%	[50]	mg/L
Ca 315.887 Rt	866738.4	7232.20	0.83%	[50]	mg/L
Fe_1 273.955†	2576650.6	609.80	0.02%	[50]	mg/L
Fe_2 238.863 Rt	50612.9	125.06	0.25%	[50]	mg/L
Mg 279.077 Rt	105606.1	47.25	0.04%	[50]	mg/L
Na_1 589.592 Rt	490210.1	2786.21	0.57%	[50]	mg/L
Na_2 330.237 Rt	3650.0	13.69	0.38%	[50]	mg/L
Zn 206.200†	169097.1	57.98	0.03%	[5.0]	mg/L

Sequence No.: 3  
 Sample ID: Calib\_Std\_2  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 3  
 Date Collected: 7/18/2006 10:00:22 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:11 PM  
 Initial Sample Vol:  
 Sample Prep Vol:

## Mean Data: Calib\_Std\_2

Analyte	Mean Corrected		Calib		
	Intensity	Std.Dev.	RSD	Conc.	Units
In Axial	326866.2	1069.99	0.33%	77.891	%
In Radial	15071.6	235.43	1.56%	84.839	%
Y_Axial	1748397.9	4636.60	0.27%	86.917	%
Y_Radial	182405.7	2082.52	1.14%	89.277	%
Sc Axial	3400980.3	10959.82	0.32%	87.357	%
Sc Radial	347521.2	1607.12	0.46%	90.580	%
Al_2 308.215 Rt	842080.0	7634.23	0.91%	[250]	mg/L
Ca 315.887 Rt	4223172.3	26647.11	0.63%	[250]	mg/L
Fe_2 238.863 Rt	249611.7	1560.54	0.63%	[250]	mg/L
Mg 279.077 Rt	517307.8	3041.13	0.59%	[250]	mg/L
Na_1 589.592 Rt	2482189.2	19914.98	0.80%	[250]	mg/L
Na_2 330.237 Rt	16941.7	82.28	0.49%	[250]	mg/L

## Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al_1 396.153 R	1	Lin Thru 0	0.0	12240	0.00000	1.000000	
Al_2 308.215 R	2	Lin Thru 0	0.0	3367	0.00000	0.999998	
Ca 315.887 R	2	Lin Thru 0	0.0	16910	0.00000	0.999987	
Fe_1 273.955	1	Lin Thru 0	0.0	51530	0.00000	1.000000	
Fe_2 238.863 R	2	Lin Thru 0	0.0	999.0	0.00000	0.999996	
Mg 279.077 R	2	Lin Thru 0	0.0	2071	0.00000	0.999992	
Na_1 589.592 R	2	Lin Thru 0	0.0	9924	0.00000	0.999997	
Na_2 330.237 R	2	Lin Thru 0	0.0	67.97	0.00000	0.999890	
Zn 206.200	1	Lin Thru 0	0.0	33820	0.00000	1.000000	

Sequence No.: 4  
 Sample ID: ICV4  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 10  
 Date Collected: 7/18/2006 10:02:47 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:14 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: ICV4

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	400022.2	95.323 %	0.0833			0.09%
In Radial	17187.9	96.751 %	1.6378			1.69%
Y_Axial	1943029.8	96.593 %	0.0674			0.07%
Y_Radial	204376.2	100.03 %	1.576			1.58%
Sc Axial	3788830.6	97.319 %	0.0807			0.08%
Sc Radial	386752.1	100.81 %	1.655			1.64%
Al_1 396.153 Rt	125771.2	10.279 mg/L	0.0045	10.279 mg/L	0.0045	0.04%
Al_2 308.215 Rt	33852.4	10.055 mg/L	0.0174	10.055 mg/L	0.0174	0.17%
Ca 315.887 Rt	180613.4	10.681 mg/L	0.0133	10.681 mg/L	0.0133	0.12%
Fe_1 273.955†	540776.2	10.494 mg/L	0.0106	10.494 mg/L	0.0106	0.10%
Fe_2 238.863 Rt	10319.2	10.330 mg/L	0.0071	10.330 mg/L	0.0071	0.07%
Mg 279.077 Rt	21760.9	10.508 mg/L	0.0118	10.508 mg/L	0.0118	0.11%
Na_1 589.592 Rt	100953.6	10.173 mg/L	0.0078	10.173 mg/L	0.0078	0.08%
Na_2 330.237 Rt	786.5	10.968 mg/L	1.6041	10.968 mg/L	1.6041	14.62%
Zn 206.200†	35268.1	1.0428 mg/L	0.00169	1.0428 mg/L	0.00169	0.16%

Sequence No.: 5  
 Sample ID: ICB  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 12  
 Date Collected: 7/18/2006 10:05:08 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:23 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: ICB

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	411990.1	98.175 %	1.3647			1.39%
In Radial	17399.5	97.942 %	0.2568			0.26%
Y_Axial	1977478.3	98.305 %	1.2264			1.25%
Y_Radial	205392.0	100.53 %	0.989			0.98%
Sc Axial	3825938.3	98.272 %	1.2823			1.30%
Sc Radial	385355.2	100.44 %	1.086			1.08%
Al_1 396.153 Rt	73.1	0.00597 mg/L	0.001247	0.00597 mg/L	0.001247	20.88%
Al_2 308.215 Rt	-6.0	-0.00178 mg/L	0.002002	-0.00178 mg/L	0.002002	112.69%
Ca 315.887 Rt	37.1	0.00219 mg/L	0.000135	0.00219 mg/L	0.000135	6.18%
Fe_1 273.955†	262.3	0.00509 mg/L	0.000769	0.00509 mg/L	0.000769	15.10%
Fe_2 238.863 Rt	-2.8	-0.00279 mg/L	0.006052	-0.00279 mg/L	0.006052	216.83%
Mg 279.077 Rt	9.5	0.00457 mg/L	0.003445	0.00457 mg/L	0.003445	75.37%
Na_1 589.592 Rt	734.8	0.07404 mg/L	0.018414	0.07404 mg/L	0.018414	24.87%
Na_2 330.237 Rt	-10.8	-0.15907 mg/L	0.138073	-0.15907 mg/L	0.138073	86.80%
Zn 206.200†	6.3	0.00019 mg/L	0.000045	0.00019 mg/L	0.000045	23.92%

Sequence No.: 6  
 Sample ID: PQL  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 38  
 Date Collected: 7/18/2006 10:08:43 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:24 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 40 mL

## Mean Data: PQL

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	413214.9	98.467 %	1.3272			1.35%
In Radial	17498.5	98.500 %	0.1009			0.10%
Y_ Axial	1979614.6	98.411 %	1.2429			1.26%
Y_ Radial	202995.5	99.354 %	1.0132			1.02%
Sc Axial	3821527.6	98.159 %	1.2452			1.27%
Sc Radial	379088.7	98.808 %	1.1502			1.16%
Al_1 396.153 Rt	1359.6	0.11112 mg/L	0.008846	53.358 mg/L	4.2480	7.96%
Al_2 308.215 Rt	344.8	0.10240 mg/L	0.004749	49.172 mg/L	2.2807	4.64%
Ca 315.887 Rt	1806.2	0.10682 mg/L	0.000771	51.292 mg/L	0.3701	0.72%
Fe_1 273.955†	1654.2	0.03210 mg/L	0.000324	15.414 mg/L	0.1556	1.01%
Fe_2 238.863 Rt	25.2	0.02521 mg/L	0.008459	12.104 mg/L	4.0621	33.56%
Mg 279.077 R†	221.5	0.10698 mg/L	0.009145	51.372 mg/L	4.3914	8.55%
Na_1 589.592 Rt	2993.8	0.30168 mg/L	0.027390	144.86 mg/L	13.152	9.08%
Na_2 330.237 Rt	21.9	0.31930 mg/L	0.068563	153.32 mg/L	32.923	21.47%
Zn 206.200†	186.4	0.00551 mg/L	0.000034	2.6462 mg/L	0.01614	0.61%

Sequence No.: 7  
 Sample ID: ICSA  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 14  
 Date Collected: 7/18/2006 10:12:18 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:26 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: ICSA

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	307331.7	73.236 %	3.1969			4.37%
In Radial	14940.0	84.098 %	0.5545			0.66%
Y_Axial	1626097.4	80.837 %	3.5664			4.41%
Y_Radial	180928.5	88.553 %	0.2440			0.28%
Sc Axial	3151959.5	80.960 %	3.4774			4.30%
Sc Radial	341091.3	88.904 %	0.1998			0.22%
Al_1 396.153 Rt	6319010.8	516.45 mg/L	3.694	516.45 mg/L	3.694	0.72%
Al_2 308.215 Rt	1735959.0	515.61 mg/L	1.084	515.61 mg/L	1.084	0.21%
Ca 315.887 Rt	8468373.4	500.80 mg/L	4.926	500.80 mg/L	4.926	0.98%
Fe_1 273.955†	10404214.9	201.89 mg/L	11.807	201.89 mg/L	11.807	5.85%
Fe_2 238.863 Rt	198956.5	199.16 mg/L	0.155	199.16 mg/L	0.155	0.08%
Mg 279.077 Rt	1050755.3	507.40 mg/L	0.340	507.40 mg/L	0.340	0.07%
Na_1 589.592 Rt	246.3	0.02482 mg/L	0.012395	0.02482 mg/L	0.012395	49.94%
Na_2 330.237 Rt	13.9	-1.4265 mg/L	0.53976	-1.4265 mg/L	0.53976	37.84%
Zn 206.200†	368.1	0.01088 mg/L	0.001272	0.01088 mg/L	0.001272	11.69%

Sequence No.: 8  
 Sample ID: ICSAB\_4.0  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 15  
 Date Collected: 7/18/2006 10:14:50 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:28 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: ICSAB\_4.0

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	318609.6	75.923 %	0.7024			0.93%
In Radial	15179.2	85.444 %	0.7423			0.87%
Y_Axial	1682049.4	83.619 %	0.6127			0.73%
Y_Radial	184154.1	90.132 %	0.6150			0.68%
Sc Axial	3258403.5	83.694 %	0.6651			0.79%
Sc Radial	341889.2	89.112 %	1.7684			1.98%
Al_1 396.153 Rt	6309260.1	515.65 mg/L	4.464	515.65 mg/L	4.464	0.87%
Al_2 308.215 Rt	1726341.9	512.75 mg/L	12.870	512.75 mg/L	12.870	2.51%
Ca 315.887 Rt	8485806.1	501.83 mg/L	3.989	501.83 mg/L	3.989	0.79%
Fe_1 273.955†	9850636.1	191.15 mg/L	2.334	191.15 mg/L	2.334	1.22%
Fe_2 238.863 Rt	200658.5	200.86 mg/L	0.453	200.86 mg/L	0.453	0.23%
Mg 279.077 Rt	1041723.8	503.03 mg/L	14.637	503.03 mg/L	14.637	2.91%
Na_1 589.592 Rt	89.4	0.00901 mg/L	0.001298	0.00901 mg/L	0.001298	14.41%
Na_2 330.237 Rt	64.0	-1.2318 mg/L	0.03487	-1.2318 mg/L	0.03487	2.83%
Zn 206.200†	32605.5	0.96411 mg/L	0.017462	0.96411 mg/L	0.017462	1.81%

Sequence No.: 9  
 Sample ID: FB1815158-1  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 39  
 Date Collected: 7/18/2006 10:21:22 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:30 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 40 mL

Mean Data: FB1815158-1

Analyte	Mean Corrected		Calib	Sample			RSD	
	Intensity	Conc.		Conc.	Units	Std.Dev.		
In Axial	424834.8	101.24	%	2.451			2.42%	
In Radial	18126.5	102.03	%	0.278			0.27%	
Y_Axial	2032143.4	101.02	%	2.431			2.41%	
Y_Radial	209492.5	102.53	%	0.670			0.65%	
Sc Axial	3929464.8	100.93	%	2.494			2.47%	
Sc Radial	392636.6	102.34	%	0.517			0.50%	
Al_1 396.153 Rt	278.2	0.02274	mg/L	0.000168	10.919	mg/L	0.0805	0.74%
Al_2 308.215 Rt	89.4	0.02654	mg/L	0.007956	12.745	mg/L	3.8203	29.98%
Ca 315.887 Rt	5615.6	0.33209	mg/L	0.001974	159.47	mg/L	0.948	0.59%
Fe_1 273.955†	875.5	0.01699	mg/L	0.000568	8.1583	mg/L	0.27289	3.34%
Fe_2 238.863 Rt	6.0	0.00602	mg/L	0.003181	2.8892	mg/L	1.52764	52.87%
Mg 279.077 Rt	96.6	0.04665	mg/L	0.003329	22.400	mg/L	1.5986	7.14%
Na_1 589.592 Rt	14757.2	1.4870	mg/L	0.00629	714.06	mg/L	3.020	0.42%
Na_2 330.237 Rt	80.5	1.1819	mg/L	0.27700	567.55	mg/L	133.014	23.44%
Zn 206.200†	90.5	0.00268	mg/L	0.000046	1.2856	mg/L	0.02188	1.70%

Sequence No.: 10  
 Sample ID: H842MB  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 40  
 Date Collected: 7/18/2006 10:25:00 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:32 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 40 mL

## Mean Data: H842MB

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	420937.2	100.31 %	0.391			0.39%
In Radial	17878.1	100.64 %	0.925			0.92%
Y_Axial	2020762.8	100.46 %	0.413			0.41%
Y_Radial	206509.7	101.07 %	0.682			0.67%
Sc Axial	3895145.1	100.05 %	0.367			0.37%
Sc Radial	385101.7	100.38 %	0.708			0.71%
Al_1 396.153 Rt	77.5	0.00634 mg/L	0.000154	3.0422 mg/L	0.07392	2.43%
Al_2 308.215 Rt	29.4	0.00874 mg/L	0.003815	4.1968 mg/L	1.83175	43.65%
Ca 315.887 Rt	67.8	0.00401 mg/L	0.002825	1.9250 mg/L	1.35657	70.47%
Fe_1 273.955†	78.6	0.00153 mg/L	0.000593	0.73284 mg/L	0.284621	38.84%
Fe_2 238.863 Rt	-1.3	-0.00131 mg/L	0.010112	-0.62937 mg/L	4.855931	771.55%
Mg 279.077 Rt	5.9	0.00284 mg/L	0.006446	1.3614 mg/L	3.09514	227.34%
Na_1 589.592 Rt	437.0	0.04403 mg/L	0.001971	21.145 mg/L	0.9466	4.48%
Na_2 330.237 Rt	-25.4	-0.37438 mg/L	0.230348	-179.77 mg/L	110.611	61.53%
Zn 206.200†	31.1	0.00092 mg/L	0.000154	0.44203 mg/L	0.074189	16.78%

Sequence No.: 11  
 Sample ID: H842MC  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 41  
 Date Collected: 7/18/2006 10:28:36 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:33 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 40 mL

## Mean Data: H842MC

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	384719.9	91.677 %	0.5161			0.56%
In Radial	17171.2	96.657 %	0.5879			0.61%
Y_Axial	1905434.5	94.724 %	0.2698			0.28%
Y_Radial	202203.0	98.966 %	0.5532			0.56%
Sc Axial	3720431.8	95.562 %	0.2640			0.28%
Sc Radial	384758.7	100.29 %	0.558			0.56%
Al_1 396.153 Rt	26282.7	2.1481 mg/L	0.00063	1031.5 mg/L	0.30	0.03%
Al_2 308.215 Rt	6965.3	2.0688 mg/L	0.00473	993.42 mg/L	2.272	0.23%
Ca 315.887 Rt	889084.3	52.578 mg/L	0.0695	25248 mg/L	33.4	0.13%
Fe_1 273.955†	55095.4	1.0691 mg/L	0.00230	513.39 mg/L	1.103	0.21%
Fe_2 238.863 Rt	1082.6	1.0837 mg/L	0.00001	520.39 mg/L	0.004	0.00%
Mg 279.077 Rt	111041.3	53.620 mg/L	0.0461	25748 mg/L	22.1	0.09%
Na_1 589.592 Rt	503676.3	50.754 mg/L	0.0085	24371 mg/L	4.1	0.02%
Na_2 330.237 Rt	3400.1	49.461 mg/L	0.4172	23751 mg/L	200.3	0.84%
Zn 206.200†	18012.3	0.53260 mg/L	0.001445	255.75 mg/L	0.694	0.27%

Sequence No.: 12  
 Sample ID: H842ML  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 42  
 Date Collected: 7/18/2006 10:32:06 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:35 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 40 mL

## Mean Data: H842ML

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	385997.9	91.981 %	1.1185			1.22%
In Radial	17201.6	96.828 %	0.6552			0.68%
Y_Axial	1872414.2	93.082 %	1.8990			2.04%
Y_Radial	200265.7	98.018 %	0.6426			0.66%
Sc Axial	3651804.2	93.799 %	2.0030			2.14%
Sc Radial	381246.3	99.371 %	0.7524			0.76%
Al_1 396.153 Rt	25499.7	2.0841 mg/L	0.00164	1000.8 mg/L	0.79	0.08%
Al_2 308.215 Rt	6887.3	2.0456 mg/L	0.03234	982.30 mg/L	15.528	1.58%
Ca 315.887 Rt	857582.0	50.715 mg/L	0.0469	24353 mg/L	22.5	0.09%
Fe_1 273.955†	55042.1	1.0681 mg/L	0.03317	512.89 mg/L	15.928	3.11%
Fe_2 238.863 Rt	1064.2	1.0653 mg/L	0.00345	511.56 mg/L	1.658	0.32%
Mg 279.077 Rt	106867.5	51.605 mg/L	0.0256	24780 mg/L	12.3	0.05%
Na_1 589.592 Rt	486273.5	49.000 mg/L	0.0458	23529 mg/L	22.0	0.09%
Na_2 330.237 Rt	3330.6	48.448 mg/L	0.9236	23265 mg/L	443.5	1.91%
Zn 206.200†	17982.1	0.53171 mg/L	0.018042	255.32 mg/L	8.664	3.39%

Sequence No.: 13  
 Sample ID: H&GKJ  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 43  
 Date Collected: 7/18/2006 10:35:03 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:37 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 40 mL

## Mean Data: H&amp;GKJ

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	422043.8	100.57 %	1.143			1.14%
In Radial	18293.1	102.97 %	0.120			0.12%
Y_Axial	2039286.9	101.38 %	0.771			0.76%
Y_Radial	208550.3	102.07 %	1.373			1.35%
Sc Axial	3960661.2	101.73 %	0.785			0.77%
Sc Radial	391364.3	102.01 %	1.558			1.53%
Al_1 396.153 Rt	10020.0	0.81893 mg/L	0.024786	393.24 mg/L	11.902	3.03%
Al_2 308.215 Rt	2695.2	0.80050 mg/L	0.012221	384.39 mg/L	5.868	1.53%
Ca 315.887 Rt	18866.8	1.1157 mg/L	0.01521	535.77 mg/L	7.304	1.36%
Fe_1 273.955†	48915.7	0.94921 mg/L	0.015214	455.80 mg/L	7.305	1.60%
Fe_2 238.863 Rt	954.6	0.95556 mg/L	0.009426	458.85 mg/L	4.526	0.99%
Mg 279.077 Rt	1054.6	0.50925 mg/L	0.004793	244.54 mg/L	2.301	0.94%
Na_1 589.592 Rt	7314.5	0.73705 mg/L	0.015385	353.93 mg/L	7.388	2.09%
Na_2 330.237 Rt	16.5	0.23559 mg/L	0.256782	113.13 mg/L	123.305	109.00%
Zn 206.200†	375.0	0.01109 mg/L	0.000101	5.3251 mg/L	0.04832	0.91%

Sequence No.: 14  
 Sample ID: H&GKJP5  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution: 5X

Autosampler Location: 44  
 Date Collected: 7/18/2006 10:38:41 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:39 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 40 mL

## Mean Data: H&amp;GKJP5

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	414495.3	98.772 %	0.5485			0.56%
In Radial	17690.0	99.577 %	0.2151			0.22%
Y_Axial	1996761.2	99.264 %	0.5573			0.56%
Y_Radial	209476.3	102.53 %	2.243			2.19%
Sc Axial	3864584.6	99.265 %	0.5467			0.55%
Sc Radial	393848.2	102.66 %	2.424			2.36%
Al_1 396.153 Rt	2047.3	0.16732 mg/L	0.003886	401.74 mg/L	9.331	2.32%
Al_2 308.215 Rt	514.5	0.15280 mg/L	0.002894	366.88 mg/L	6.949	1.89%
Ca 315.887 Rt	3709.0	0.21934 mg/L	0.003261	526.63 mg/L	7.829	1.49%
Fe_1 273.955†	9660.9	0.18747 mg/L	0.000864	450.11 mg/L	2.074	0.46%
Fe_2 238.863 Rt	183.8	0.18399 mg/L	0.003972	441.75 mg/L	9.536	2.16%
Mg 279.077 Rt	196.0	0.09463 mg/L	0.005763	227.21 mg/L	13.836	6.09%
Na_1 589.592 Rt	1776.5	0.17901 mg/L	0.020862	429.80 mg/L	50.089	11.65%
Na_2 330.237 Rt	-1.7	-0.02727 mg/L	0.139314	-65.464 mg/L	334.4872	510.95%
Zn 206.200†	94.2	0.00278 mg/L	0.000052	6.6862 mg/L	0.12550	1.88%

Sequence No.: 15  
 Sample ID: CCV  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 7  
 Date Collected: 7/18/2006 10:42:45 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:48 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCV

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	382213.9	91.080 %	0.7347			0.81%
In Radial	16734.2	94.197 %	1.4630			1.55%
Y_Axial	1899622.3	94.435 %	0.7158			0.76%
Y_Radial	195174.6	95.526 %	1.3344			1.40%
Sc Axial	3705602.9	95.181 %	0.7961			0.84%
Sc Radial	370898.9	96.674 %	0.5779			0.60%
Al_1 396.153 Rt	316152.7	25.839 mg/L	0.4587	25.839 mg/L	0.4587	1.78%
Al_2 308.215 Rt	86297.6	25.632 mg/L	0.1452	25.632 mg/L	0.1452	0.57%
Ca 315.887 Rt	450187.2	26.623 mg/L	0.5042	26.623 mg/L	0.5042	1.89%
Fe_1 273.955†	1327305.8	25.756 mg/L	0.3678	25.756 mg/L	0.3678	1.43%
Fe_2 238.863 Rt	26570.7	26.598 mg/L	0.1296	26.598 mg/L	0.1296	0.49%
Mg 279.077 Rt	55414.2	26.759 mg/L	0.1324	26.759 mg/L	0.1324	0.49%
Na_1 589.592 Rt	251607.5	25.354 mg/L	0.5006	25.354 mg/L	0.5006	1.97%
Na_2 330.237 Rt	1914.8	26.685 mg/L	0.7943	26.685 mg/L	0.7943	2.98%
Zn 206.200†	87237.7	2.5795 mg/L	0.03840	2.5795 mg/L	0.03840	1.49%

Sequence No.: 16  
 Sample ID: CCB  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 5  
 Date Collected: 7/18/2006 10:45:07 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:49 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCB

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	416498.6	99.250 %	1.1275			1.14%
In Radial	17784.4	100.11 %	0.465			0.46%
Y_Axial	1990295.5	98.942 %	0.6814			0.69%
Y_Radial	202551.3	99.137 %	1.0152			1.02%
Sc Axial	3862042.0	99.199 %	0.6976			0.70%
Sc Radial	380014.6	99.049 %	1.0657			1.08%
Al_1 396.153 Rt	55.0	0.00450 mg/L	0.005363	0.00450 mg/L	0.005363	119.27%
Al_2 308.215 Rt	-2.1	-0.00063 mg/L	0.004319	-0.00063 mg/L	0.004319	690.75%
Ca 315.887 Rt	5.2	0.00031 mg/L	0.000014	0.00031 mg/L	0.000014	4.62%
Fe_1 273.955†	95.4	0.00185 mg/L	0.000280	0.00185 mg/L	0.000280	15.11%
Fe_2 238.863 Rt	-5.9	-0.00594 mg/L	0.007111	-0.00594 mg/L	0.007111	119.72%
Mg 279.077 Rt	-6.7	-0.00324 mg/L	0.012834	-0.00324 mg/L	0.012834	396.42%
Na_1 589.592 Rt	312.9	0.03153 mg/L	0.009542	0.03153 mg/L	0.009542	30.27%
Na_2 330.237 Rt	16.3	0.23996 mg/L	0.102107	0.23996 mg/L	0.102107	42.55%
Zn 206.200†	9.2	0.00027 mg/L	0.000004	0.00027 mg/L	0.000004	1.55%

Sequence No.: 17  
 Sample ID: H8GKJZ  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 45  
 Date Collected: 7/18/2006 10:48:49 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:53 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 40 mL

Mean Data: H8GKJZ

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	389485.3	92.812 %	1.3374			1.44%
In Radial	17591.5	99.023 %	0.4801			0.48%
Y_Axial	1910449.8	94.973 %	0.4356			0.46%
Y_Radial	200612.5	98.188 %	2.1804			2.22%
Sc Axial	3727617.0	95.747 %	0.4738			0.49%
Sc Radial	381537.3	99.446 %	2.1954			2.21%
Al_1 396.153 Rt	35152.0	2.8729 mg/L	0.00769	1379.6 mg/L	3.69	0.27%
Al_2 308.215 Rt	9702.7	2.8818 mg/L	0.05410	1383.8 mg/L	25.98	1.88%
Ca 315.887 Rt	888428.3	52.540 mg/L	0.0629	25229 mg/L	30.2	0.12%
Fe_1 273.955t	102840.5	1.9956 mg/L	0.02554	958.28 mg/L	12.262	1.28%
Fe_2 238.863 Rt	2040.1	2.0422 mg/L	0.03886	980.64 mg/L	18.659	1.90%
Mg 279.077 Rt	109464.4	52.859 mg/L	0.1611	25382 mg/L	77.4	0.30%
Na_1 589.592 Rt	499688.3	50.352 mg/L	0.0590	24178 mg/L	28.3	0.12%
Na_2 330.237 Rt	3492.7	50.821 mg/L	0.9811	24404 mg/L	471.1	1.93%
Zn 206.200t	18468.4	0.54609 mg/L	0.005399	262.23 mg/L	2.593	0.99%

Sequence No.: 18  
 Sample ID: H8GKL  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 46  
 Date Collected: 7/18/2006 10:51:49 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:54 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 40 mL

## Mean Data: H8GKL

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	427977.0	101.98 %	0.593			0.58%
In Radial	18482.1	104.04 %	0.150			0.14%
Y_Axial	2038262.5	101.33 %	0.586			0.58%
Y_Radial	216758.7	106.09 %	1.430			1.35%
Sc Axial	3951093.8	101.49 %	0.621			0.61%
Sc Radial	407450.0	106.20 %	1.504			1.42%
Al_1 396.153 Rt	17235.3	1.4086 mg/L	0.00408	676.41 mg/L	1.960	0.29%
Al_2 308.215 Rt	4615.4	1.3708 mg/L	0.01918	658.26 mg/L	9.212	1.40%
Ca 315.887 Rt	20332.0	1.2024 mg/L	0.01707	577.38 mg/L	8.196	1.42%
Fe_1 273.955†	68697.0	1.3331 mg/L	0.00462	640.13 mg/L	2.217	0.35%
Fe_2 238.863 Rt	1290.7	1.2920 mg/L	0.01763	620.39 mg/L	8.466	1.36%
Mg 279.077 Rt	1428.3	0.68969 mg/L	0.003458	331.18 mg/L	1.660	0.50%
Na_1 589.592 Rt	7712.7	0.77718 mg/L	0.008490	373.20 mg/L	4.077	1.09%
Na_2 330.237 Rt	21.9	0.31524 mg/L	0.201192	151.37 mg/L	96.611	63.82%
Zn 206.200†	385.5	0.01140 mg/L	0.000057	5.4741 mg/L	0.02722	0.50%

Sequence No.: 19  
 Sample ID: H8GKM  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 47  
 Date Collected: 7/18/2006 10:55:25 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:56 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 40 mL

## Mean Data: H8GKM

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	428211.6	102.04 %	0.950			0.93%
In Radial	18306.3	103.05 %	0.872			0.85%
Y_Axial	2047069.6	101.76 %	0.930			0.91%
Y_Radial	213972.9	104.73 %	0.078			0.07%
Sc Axial	3960209.3	101.72 %	0.909			0.89%
Sc Radial	401446.3	104.64 %	0.080			0.08%
Al_1 396.153 Rt	5714.6	0.46705 mg/L	0.005876	224.27 mg/L	2.822	1.26%
Al_2 308.215 Rt	1545.1	0.45892 mg/L	0.004107	220.37 mg/L	1.972	0.89%
Ca 315.887 Rt	13919.9	0.82319 mg/L	0.003435	395.29 mg/L	1.649	0.42%
Fe_1 273.955†	29278.5	0.56815 mg/L	0.000260	272.82 mg/L	0.125	0.05%
Fe_2 238.863 Rt	554.0	0.55458 mg/L	0.010743	266.31 mg/L	5.159	1.94%
Mg 279.077 Rt	684.6	0.33058 mg/L	0.000044	158.74 mg/L	0.021	0.01%
Na_1 589.592 Rt	6054.2	0.61006 mg/L	0.001922	292.94 mg/L	0.923	0.32%
Na_2 330.237 Rt	15.3	0.21860 mg/L	0.016923	104.97 mg/L	8.126	7.74%
Zn 206.200†	260.1	0.00769 mg/L	0.000056	3.6934 mg/L	0.02703	0.73%

Sequence No.: 20  
 Sample ID: H8GKQ  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 48  
 Date Collected: 7/18/2006 10:59:00 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:57 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H8GKQ

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	428413.1	102.09 %	0.721			0.71%
In Radial	18495.5	104.11 %	0.707			0.68%
Y_Axial	2039587.5	101.39 %	0.748			0.74%
Y_Radial	216348.6	105.89 %	1.717			1.62%
Sc Axial	3949819.1	101.45 %	0.779			0.77%
Sc Radial	406836.5	106.04 %	1.601			1.51%
Al_1 396.153 Rt	10504.5	0.85852 mg/L	0.002040	1030.6 mg/L	2.45	0.24%
Al_2 308.215 Rt	2854.3	0.84776 mg/L	0.019613	1017.7 mg/L	23.55	2.31%
Ca 315.887 Rt	22567.4	1.3346 mg/L	0.02970	1602.1 mg/L	35.65	2.23%
Fe_1 273.955†	52963.5	1.0278 mg/L	0.00456	1233.8 mg/L	5.47	0.44%
Fe_2 238.863 Rt	989.0	0.99003 mg/L	0.028684	1188.5 mg/L	34.43	2.90%
Mg 279.077 Rt	1210.7	0.58464 mg/L	0.022397	701.85 mg/L	26.887	3.83%
Na_1 589.592 Rt	7617.6	0.76760 mg/L	0.001006	921.49 mg/L	1.208	0.13%
Na_2 330.237 Rt	43.5	0.62710 mg/L	0.144955	752.82 mg/L	174.016	23.12%
Zn 206.200†	658.0	0.01946 mg/L	0.000169	23.357 mg/L	0.2029	0.87%

Sequence No.: 21  
 Sample ID: H8GKR  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 49  
 Date Collected: 7/18/2006 11:02:34 AM  
 Data Type: Reprocessed on 7/18/2006 2:02:59 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H8GKR

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	435700.0	103.83 %	1.419			1.37%
In Radial	18804.3	105.85 %	0.627			0.59%
Y_Axial	2076049.1	103.21 %	1.239			1.20%
Y_Radial	217626.5	106.51 %	1.596			1.50%
Sc Axial	4020769.6	103.28 %	1.271			1.23%
Sc Radial	409299.4	106.68 %	1.524			1.43%
Al_1 396.153 Rt	9876.9	0.80723 mg/L	0.000611	969.07 mg/L	0.733	0.08%
Al_2 308.215 Rt	2691.3	0.79936 mg/L	0.021061	959.62 mg/L	25.284	2.63%
Ca 315.887 Rt	20210.1	1.1952 mg/L	0.02533	1434.8 mg/L	30.41	2.12%
Fe_1 273.955†	52793.9	1.0245 mg/L	0.00429	1229.9 mg/L	5.16	0.42%
Fe_2 238.863 Rt	1002.1	1.0031 mg/L	0.03216	1204.2 mg/L	38.61	3.21%
Mg 279.077 Rt	1072.0	0.51768 mg/L	0.010140	621.46 mg/L	12.173	1.96%
Na_1 589.592 Rt	7577.2	0.76352 mg/L	0.004585	916.59 mg/L	5.505	0.60%
Na_2 330.237 Rt	28.0	0.40417 mg/L	0.157583	485.19 mg/L	189.175	38.99%
Zn 206.200†	386.9	0.01144 mg/L	0.000094	13.735 mg/L	0.1130	0.82%

Sequence No.: 22  
 Sample ID: H&GKV  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 50  
 Date Collected: 7/18/2006 11:06:08 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:02 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H&amp;GKV

Analyte	Mean Corrected	Calib			Sample			RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
In Axial	424813.4	101.23	%	1.773				1.75%
In Radial	18636.1	104.90	%	0.175				0.17%
Y_Axial	2027637.4	100.80	%	1.626				1.61%
Y_Radial	212697.8	104.10	%	1.808				1.74%
Sc Axial	3928705.9	100.91	%	1.735				1.72%
Sc Radial	401351.0	104.61	%	1.857				1.78%
Al_1 396.153 Rt	17153.8	1.4020	mg/L	0.00016	1683.0	mg/L	0.19	0.01%
Al_2 308.215 Rt	4828.4	1.4341	mg/L	0.02739	1721.6	mg/L	32.88	1.91%
Ca 315.887 Rt	27328.7	1.6162	mg/L	0.02758	1940.2	mg/L	33.10	1.71%
Fe_1 273.955†	82692.2	1.6046	mg/L	0.00230	1926.3	mg/L	2.77	0.14%
Fe_2 238.863 Rt	1606.2	1.6079	mg/L	0.04527	1930.2	mg/L	54.34	2.82%
Mg 279.077 Rt	1745.4	0.84283	mg/L	0.020653	1011.3	mg/L	24.79	2.45%
Na_1 589.592 Rt	7711.7	0.77708	mg/L	0.013701	932.87	mg/L	16.448	1.76%
Na_2 330.237 Rt	20.6	0.29352	mg/L	0.097066	352.36	mg/L	116.526	33.07%
Zn 206.200†	501.0	0.01481	mg/L	0.000204	17.784	mg/L	0.2448	1.38%

Sequence No.: 23  
 Sample ID: H8GKW  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 51  
 Date Collected: 7/18/2006 11:09:43 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:04 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H8GKW

Analyte	Mean Corrected	Calib	Sample			RSD		
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units		
In Axial	430210.5	102.52	%	1.510			1.47%	
In Radial	18413.4	103.65	%	0.298			0.29%	
Y_Axial	2059745.4	102.39	%	1.550			1.51%	
Y_Radial	208846.9	102.22	%	0.740			0.72%	
Sc Axial	3975690.3	102.12	%	1.514			1.48%	
Sc Radial	390016.1	101.66	%	0.762			0.75%	
Al_1 396.153 Rt	219.0	0.01790	mg/L	0.001596	21.484	mg/L	1.9159	8.92%
Al_2 308.215 Rt	66.5	0.01976	mg/L	0.004528	23.717	mg/L	5.4363	22.92%
Ca 315.887 Rt	4472.2	0.26448	mg/L	0.002763	317.50	mg/L	3.317	1.04%
Fe_1 273.955†	911.1	0.01768	mg/L	0.000306	21.226	mg/L	0.3672	1.73%
Fe_2 238.863 Rt	6.9	0.00694	mg/L	0.008314	8.3348	mg/L	9.98099	119.75%
Mg 279.077 Rt	81.3	0.03927	mg/L	0.005175	47.142	mg/L	6.2123	13.18%
Na_1 589.592 Rt	4828.7	0.48657	mg/L	0.002951	584.12	mg/L	3.542	0.61%
Na_2 330.237 Rt	0.7	0.00812	mg/L	0.040229	9.7525	mg/L	48.29354	495.19%
Zn 206.200†	68.8	0.00203	mg/L	0.000006	2.4409	mg/L	0.00766	0.31%

Sequence No.: 24  
 Sample ID: H8GKX  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 52  
 Date Collected: 7/18/2006 11:13:18 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:05 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H8GKX

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	425303.2	101.35 %	0.266			0.26%
In Radial	18278.8	102.89 %	0.512			0.50%
Y_Axial	2030938.1	100.96 %	0.310			0.31%
Y_Radial	217285.0	106.35 %	2.250			2.12%
Sc Axial	3930129.4	100.95 %	0.313			0.31%
Sc Radial	407731.7	106.27 %	2.238			2.11%
Al_1 396.153 Rt	4106.0	0.33558 mg/L	0.005845	402.85 mg/L	7.017	1.74%
Al_2 308.215 Rt	1079.7	0.32067 mg/L	0.006855	384.96 mg/L	8.229	2.14%
Ca 315.887 Rt	10371.3	0.61334 mg/L	0.003591	736.30 mg/L	4.311	0.59%
Fe_1 273.955†	21444.2	0.41613 mg/L	0.000192	499.55 mg/L	0.230	0.05%
Fe_2 238.863 Rt	399.2	0.39959 mg/L	0.002487	479.70 mg/L	2.985	0.62%
Mg 279.077 Rt	452.2	0.21835 mg/L	0.001398	262.12 mg/L	1.679	0.64%
Na_1 589.592 Rt	5888.1	0.59332 mg/L	0.000553	712.27 mg/L	0.664	0.09%
Na_2 330.237 Rt	13.3	0.19157 mg/L	0.064494	229.97 mg/L	77.424	33.67%
Zn 206.200†	180.6	0.00534 mg/L	0.000199	6.4096 mg/L	0.23908	3.73%

Sequence No.: 25  
 Sample ID: H8GK1  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 53  
 Date Collected: 7/18/2006 11:16:55 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:08 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H8GK1

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	427503.8	101.87 %	0.761			0.75%
In Radial	18512.4	104.21 %	0.469			0.45%
Y_Axial	2046355.4	101.73 %	0.750			0.74%
Y_Radial	208729.5	102.16 %	0.272			0.27%
Sc Axial	3959607.5	101.71 %	0.740			0.73%
Sc Radial	391546.5	102.06 %	0.312			0.31%
Al_1 396.153 Rt	6870.9	0.56155 mg/L	0.005572	674.13 mg/L	6.690	0.99%
Al_2 308.215 Rt	1955.9	0.58093 mg/L	0.001137	697.39 mg/L	1.365	0.20%
Ca 315.887 Rt	11152.7	0.65954 mg/L	0.001757	791.77 mg/L	2.109	0.27%
Fe_1 273.955†	27814.8	0.53975 mg/L	0.001284	647.95 mg/L	1.542	0.24%
Fe_2 238.863 Rt	541.7	0.54222 mg/L	0.001429	650.92 mg/L	1.716	0.26%
Mg 279.077 Rt	612.2	0.29561 mg/L	0.001328	354.87 mg/L	1.594	0.45%
Na_1 589.592 Rt	6082.8	0.61294 mg/L	0.000122	735.82 mg/L	0.147	0.02%
Na_2 330.237 Rt	22.0	0.31984 mg/L	0.185854	383.95 mg/L	223.114	58.11%
Zn 206.200†	202.8	0.00600 mg/L	0.000176	7.1987 mg/L	0.21143	2.94%

Sequence No.: 26  
 Sample ID: H8GK2  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 54  
 Date Collected: 7/18/2006 11:20:28 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:10 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H8GK2

Analyte	Mean Corrected	Calib			Sample			RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
In Axial	425316.8	101.35	%	2.065				2.04%
In Radial	18380.6	103.46	%	0.402				0.39%
Y_Axial	2036652.7	101.25	%	1.973				1.95%
Y_Radial	212595.3	104.05	%	1.969				1.89%
Sc Axial	3939287.6	101.18	%	2.043				2.02%
Sc Radial	399531.2	104.14	%	1.831				1.76%
Al_1 396.153 Rt	3667.3	0.29973	mg/L	0.007386	359.82	mg/L	8.867	2.46%
Al_2 308.215 Rt	994.6	0.29542	mg/L	0.006245	354.64	mg/L	7.497	2.11%
Ca 315.887 Rt	11094.9	0.65613	mg/L	0.000496	787.67	mg/L	0.595	0.08%
Fe_1 273.955†	18902.8	0.36681	mg/L	0.008133	440.35	mg/L	9.764	2.22%
Fe_2 238.863 Rt	352.9	0.35331	mg/L	0.000579	424.14	mg/L	0.695	0.16%
Mg 279.077 Rt	457.5	0.22093	mg/L	0.002614	265.23	mg/L	3.138	1.18%
Na_1 589.592 Rt	5909.0	0.59543	mg/L	0.019503	714.80	mg/L	23.414	3.28%
Na_2 330.237 Rt	19.0	0.27377	mg/L	0.091334	328.66	mg/L	109.645	33.36%
Zn 206.200†	203.3	0.00601	mg/L	0.000065	7.2179	mg/L	0.07861	1.09%

Sequence No.: 27  
 Sample ID: CCV  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 7  
 Date Collected: 7/18/2006 11:24:06 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:11 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCV

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	388274.1	92.524 %	0.2262			0.24%
In Radial	17005.5	95.725 %	0.1563			0.16%
Y_Axial	1915803.9	95.239 %	0.2694			0.28%
Y_Radial	197115.5	96.476 %	0.0383			0.04%
Sc Axial	3688092.7	94.731 %	0.9271			0.98%
Sc Radial	376251.8	98.069 %	1.4738			1.50%
Al_1 396.153 Rt	310492.7	25.376 mg/L	0.3706	25.376 mg/L	0.3706	1.46%
Al_2 308.215 Rt	85606.7	25.426 mg/L	0.0541	25.426 mg/L	0.0541	0.21%
Ca 315.887 Rt	445608.2	26.352 mg/L	0.4176	26.352 mg/L	0.4176	1.58%
Fe_1 273.955†	1328216.2	25.774 mg/L	0.0109	25.774 mg/L	0.0109	0.04%
Fe_2 238.863 Rt	26278.8	26.306 mg/L	0.0041	26.306 mg/L	0.0041	0.02%
Mg 279.077 Rt	54963.3	26.541 mg/L	0.0055	26.541 mg/L	0.0055	0.02%
Na_1 589.592 Rt	248857.3	25.076 mg/L	0.3436	25.076 mg/L	0.3436	1.37%
Na_2 330.237 Rt	1857.7	25.844 mg/L	0.2384	25.844 mg/L	0.2384	0.92%
Zn 206.200†	87314.0	2.5818 mg/L	0.00382	2.5818 mg/L	0.00382	0.15%

Sequence No.: 28  
 Sample ID: CCB  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 5  
 Date Collected: 7/18/2006 11:26:29 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:14 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCB

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	422269.6	100.62 %	0.839			0.83%
In Radial	18029.1	101.49 %	0.509			0.50%
Y_Axial	2028198.6	100.83 %	0.775			0.77%
Y_Radial	210785.8	103.17 %	0.516			0.50%
Sc Axial	3925213.4	100.82 %	0.800			0.79%
Sc Radial	395297.3	103.03 %	0.411			0.40%
Al_1 396.153 Rt	8.8	0.00072 mg/L	0.003045	0.00072 mg/L	0.003045	424.26%
Al_2 308.215 Rt	-7.7	-0.00228 mg/L	0.001721	-0.00228 mg/L	0.001721	75.60%
Ca 315.887 Rt	45.2	0.00267 mg/L	0.001069	0.00267 mg/L	0.001069	39.95%
Fe_1 273.955†	105.7	0.00205 mg/L	0.000693	0.00205 mg/L	0.000693	33.80%
Fe_2 238.863 Rt	-4.4	-0.00444 mg/L	0.007171	-0.00444 mg/L	0.007171	161.40%
Mg 279.077 Rt	-5.4	-0.00261 mg/L	0.002083	-0.00261 mg/L	0.002083	79.66%
Na_1 589.592 Rt	22.0	0.00222 mg/L	0.013568	0.00222 mg/L	0.013568	611.76%
Na_2 330.237 Rt	-12.4	-0.18202 mg/L	0.001386	-0.18202 mg/L	0.001386	0.76%
Zn 206.200†	5.9	0.00018 mg/L	0.000265	0.00018 mg/L	0.000265	150.52%

Sequence No.: 29  
 Sample ID: H&GK4  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 55  
 Date Collected: 7/18/2006 11:30:08 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:17 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H&amp;GK4

Analyte	Mean Corrected		Calib		Sample			RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
In Axial	432888.8	103.16	%	1.159				1.12%
In Radial	18517.5	104.24	%	0.604				0.58%
Y_ Axial	2069179.4	102.86	%	1.215				1.18%
Y_ Radial	215985.8	105.71	%	0.993				0.94%
Sc Axial	4003285.1	102.83	%	1.181				1.15%
Sc Radial	405033.5	105.57	%	0.921				0.87%
Al_1 396.153 Rt	4696.7	0.38385	mg/L	0.010427	460.81	mg/L	12.517	2.72%
Al_2 308.215 Rt	1235.3	0.36690	mg/L	0.006461	440.46	mg/L	7.757	1.76%
Ca 315.887 Rt	13319.4	0.78768	mg/L	0.000021	945.59	mg/L	0.025	0.00%
Fe_1 273.955†	23134.0	0.44892	mg/L	0.005145	538.91	mg/L	6.176	1.15%
Fe_2 238.863 Rt	435.9	0.43632	mg/L	0.017356	523.80	mg/L	20.835	3.98%
Mg 279.077 Rt	593.3	0.28651	mg/L	0.006085	343.95	mg/L	7.305	2.12%
Na_1 589.592 Rt	6049.5	0.60959	mg/L	0.010407	731.80	mg/L	12.493	1.71%
Na_2 330.237 Rt	20.1	0.28859	mg/L	0.071030	346.45	mg/L	85.271	24.61%
Zn 206.200†	336.9	0.00996	mg/L	0.000182	11.959	mg/L	0.2181	1.82%

Sequence No.: 30  
 Sample ID: H8GK6  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 56  
 Date Collected: 7/18/2006 11:33:45 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:18 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H8GK6

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	433037.0	103.19 %	0.204			0.20%
In Radial	18401.2	103.58 %	0.322			0.31%
Y_ Axial	2068376.1	102.82 %	0.117			0.11%
Y_ Radial	214100.2	104.79 %	2.262			2.16%
Sc Axial	4004030.0	102.85 %	0.136			0.13%
Sc Radial	401068.7	104.54 %	2.446			2.34%
Al_1 396.153 Rt	4798.2	0.39215 mg/L	0.001734	470.77 mg/L	2.081	0.44%
Al_2 308.215 Rt	1300.9	0.38639 mg/L	0.011692	463.85 mg/L	14.036	3.03%
Ca 315.887 Rt	11842.2	0.70032 mg/L	0.006520	840.72 mg/L	7.827	0.93%
Fe_1 273.955†	23958.8	0.46492 mg/L	0.003842	558.13 mg/L	4.612	0.83%
Fe_2 238.863 Rt	457.4	0.45786 mg/L	0.015069	549.65 mg/L	18.090	3.29%
Mg 279.077 Rt	552.1	0.26661 mg/L	0.001085	320.05 mg/L	1.303	0.41%
Na_1 589.592 Rt	6137.6	0.61846 mg/L	0.011783	742.45 mg/L	14.145	1.91%
Na_2 330.237 Rt	25.2	0.36619 mg/L	0.197760	439.61 mg/L	237.407	54.00%
Zn 206.200†	212.7	0.00629 mg/L	0.000261	7.5515 mg/L	0.31362	4.15%

Sequence No.: 31  
 Sample ID: H8GK7  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 57  
 Date Collected: 7/18/2006 11:37:21 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:21 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H8GK7

Analyte	Mean Corrected		Calib		Sample		RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
In Axial	1071620.4	255.36	%	4.356				1.71%
In Radial	40066.6	225.54	%	1.334				0.59%
Y_Axial	5130451.6	255.05	%	6.772				2.66%
Y_Radial	501100.1	245.26	%	0.820				0.33%
Sc Axial	9872209.8	253.57	%	6.906				2.72%
Sc Radial	930556.6	242.55	%	0.960				0.40%
Al_1 396.153 Rt	-111.6	-0.00912	mg/L	0.001475	-10.954	mg/L	1.7704	16.16%
Al_2 308.215 Rt	-211.2	-0.06272	mg/L	0.000339	-75.299	mg/L	0.4071	0.54%
Ca 315.887 Rt	397.5	0.02351	mg/L	0.001379	28.223	mg/L	1.6555	5.87%
Fe_1 273.955†	-32.4	-0.00063	mg/L	0.000123	-0.75545	mg/L	0.147255	19.49%
Fe_2 238.863 Rt	-32.9	-0.03290	mg/L	0.000967	-39.491	mg/L	1.1612	2.94%
Mg 279.077 Rt	50.0	0.02416	mg/L	0.000555	28.998	mg/L	0.6660	2.30%
Na_1 589.592 Rt	-1988.4	-0.20037	mg/L	0.001310	-240.54	mg/L	1.573	0.65%
Na_2 330.237 Rt	-44.0	-0.64706	mg/L	0.020171	-776.78	mg/L	24.215	3.12%
Zn 206.200†	-29.7	-0.00088	mg/L	0.000034	-1.0528	mg/L	0.04123	3.92%

Sequence No.: 32  
 Sample ID: H&GK8  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 58  
 Date Collected: 7/18/2006 11:46:40 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:24 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H&amp;GK8

Analyte	Mean Corrected	Calib			Sample			RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
In Axial	422326.5	100.64	%	0.282				0.28%
In Radial	18259.0	102.78	%	0.041				0.04%
Y_ Axial	2030937.3	100.96	%	1.210				1.20%
Y_ Radial	211615.8	103.57	%	0.390				0.38%
Sc Axial	3933039.9	101.02	%	1.299				1.29%
Sc Radial	396503.6	103.35	%	0.468				0.45%
Al_1 396.153 Rt	3487.8	0.28506	mg/L	0.003489	342.21	mg/L	4.189	1.22%
Al_2 308.215 Rt	954.4	0.28346	mg/L	0.000225	340.28	mg/L	0.270	0.08%
Ca 315.887 Rt	10037.9	0.59362	mg/L	0.003885	712.63	mg/L	4.664	0.65%
Fe_1 273.955†	18571.5	0.36038	mg/L	0.001764	432.63	mg/L	2.118	0.49%
Fe_2 238.863 Rt	354.8	0.35515	mg/L	0.013961	426.35	mg/L	16.759	3.93%
Mg 279.077 Rt	409.3	0.19766	mg/L	0.001798	237.29	mg/L	2.158	0.91%
Na_1 589.592 Rt	5232.8	0.52728	mg/L	0.019706	632.99	mg/L	23.657	3.74%
Na_2 330.237 Rt	-6.6	-0.10365	mg/L	0.291995	-124.43	mg/L	350.535	281.72%
Zn 206.200†	319.3	0.00944	mg/L	0.000044	11.335	mg/L	0.0532	0.47%

Sequence No.: 33  
 Sample ID: H8GLA  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 59  
 Date Collected: 7/18/2006 11:54:38 AM  
 Data Type: Reprocessed on 7/18/2006 2:03:27 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H8GLA

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	429627.9	102.38 %	1.099			1.07%
In Radial	18205.2	102.48 %	0.405			0.40%
Y_ Axial	2041326.8	101.48 %	0.077			0.08%
Y_ Radial	212667.8	104.09 %	0.282			0.27%
Sc Axial	3949284.2	101.44 %	0.070			0.07%
Sc Radial	397835.1	103.69 %	0.306			0.30%
Al_1 396.153 Rt	115.6	0.00945 mg/L	0.000716	11.345 mg/L	0.8598	7.58%
Al_2 308.215 Rt	35.4	0.01052 mg/L	0.001130	12.631 mg/L	1.3562	10.74%
Ca 315.887 Rt	4555.9	0.26943 mg/L	0.001749	323.44 mg/L	2.100	0.65%
Fe_1 273.955†	543.4	0.01055 mg/L	0.000329	12.660 mg/L	0.3950	3.12%
Fe_2 238.863 Rt	3.6	0.00361 mg/L	0.012682	4.3369 mg/L	15.22509	351.06%
Mg 279.077 Rt	67.6	0.03265 mg/L	0.000597	39.201 mg/L	0.7172	1.83%
Na_1 589.592 Rt	4474.1	0.45084 mg/L	0.013572	541.23 mg/L	16.292	3.01%
Na_2 330.237 Rt	12.3	0.17852 mg/L	0.007858	214.31 mg/L	9.433	4.40%
Zn 206.200†	41.4	0.00122 mg/L	0.000105	1.4700 mg/L	0.12579	8.56%

Sequence No.: 38  
 Sample ID: CCV  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 7  
 Date Collected: 7/18/2006 12:11:53 PM  
 Data Type: Reprocessed on 7/18/2006 2:03:35 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCV

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	383726.9	91.440 %	1.2592			1.38%
In Radial	17030.8	95.867 %	0.9237			0.96%
Y_Axial	1887523.5	93.833 %	0.9957			1.06%
Y_Radial	197513.2	96.671 %	0.5804			0.60%
Sc Axial	3666990.9	94.189 %	0.0221			0.02%
Sc Radial	374242.7	97.545 %	0.7213			0.74%
Al_1 396.153 Rt	312399.0	25.532 mg/L	0.1801	25.532 mg/L	0.1801	0.71%
Al_2 308.215 Rt	86288.1	25.629 mg/L	0.0128	25.629 mg/L	0.0128	0.05%
Ca 315.887 Rt	449845.3	26.603 mg/L	0.1405	26.603 mg/L	0.1405	0.53%
Fe_1 273.955†	1347128.8	26.141 mg/L	0.0866	26.141 mg/L	0.0866	0.33%
Fe_2 238.863 Rt	26452.9	26.480 mg/L	0.0529	26.480 mg/L	0.0529	0.20%
Mg 279.077 Rt	55537.2	26.818 mg/L	0.1894	26.818 mg/L	0.1894	0.71%
Na_1 589.592 Rt	251901.2	25.383 mg/L	0.2127	25.383 mg/L	0.2127	0.84%
Na_2 330.237 Rt	1888.5	26.277 mg/L	1.4258	26.277 mg/L	1.4258	5.43%
Zn 206.200†	88458.1	2.6156 mg/L	0.01055	2.6156 mg/L	0.01055	0.40%

Sequence No.: 39  
 Sample ID: CCB  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 5  
 Date Collected: 7/18/2006 12:14:14 PM  
 Data Type: Reprocessed on 7/18/2006 2:03:39 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCB

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	421453.5	100.43 %	0.952			0.95%
In Radial	17937.0	100.97 %	0.169			0.17%
Y_Axial	2016078.6	100.22 %	0.944			0.94%
Y_Radial	208873.7	102.23 %	0.909			0.89%
Sc Axial	3903889.0	100.27 %	0.982			0.98%
Sc Radial	392087.5	102.20 %	0.894			0.87%
Al_1 396.153 Rt	54.0	0.00442 mg/L	0.002378	0.00442 mg/L	0.002378	53.85%
Al_2 308.215 Rt	20.5	0.00608 mg/L	0.000957	0.00608 mg/L	0.000957	15.75%
Ca 315.887 Rt	54.0	0.00319 mg/L	0.001122	0.00319 mg/L	0.001122	35.17%
Fe_1 273.955t	193.2	0.00375 mg/L	0.002189	0.00375 mg/L	0.002189	58.40%
Fe_2 238.863 Rt	-7.0	-0.00700 mg/L	0.012283	-0.00700 mg/L	0.012283	175.53%
Mg 279.077 Rt	4.1	0.00197 mg/L	0.003192	0.00197 mg/L	0.003192	162.21%
Na_1 589.592 Rt	254.9	0.02568 mg/L	0.012756	0.02568 mg/L	0.012756	49.66%
Na_2 330.237 Rt	-25.3	-0.37205 mg/L	0.128352	-0.37205 mg/L	0.128352	34.50%
Zn 206.200t	8.1	0.00024 mg/L	0.000050	0.00024 mg/L	0.000050	20.89%

Sequence No.: 50

Autosampler Location: 7

Sample ID: CCV

Date Collected: 7/18/2006 12:53:08 PM

Analyst: AWW

Data Type: Reprocessed on 7/18/2006 2:04:04 PM

Initial Sample Wt:

Initial Sample Vol: 1 mL

Dilution:

Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	374161.0	89.161 %	0.1627			0.18%
In Radial	16799.8	94.567 %	1.9742			2.09%
Y_Axial	1850014.8	91.969 %	0.1725			0.19%
Y_Radial	196745.2	96.295 %	1.2784			1.33%
Sc Axial	3673330.5	94.352 %	1.0614			1.12%
Sc Radial	371943.0	96.946 %	1.4216			1.47%
Al_1 396.153 Rt	317462.0	25.946 mg/L	0.0244	25.946 mg/L	0.0244	0.09%
Al_2 308.215 Rt	86912.8	25.814 mg/L	0.0206	25.814 mg/L	0.0206	0.08%
Ca 315.887 Rt	450121.6	26.619 mg/L	0.0641	26.619 mg/L	0.0641	0.24%
Fe_1 273.955†	1350568.4	26.208 mg/L	0.0653	26.208 mg/L	0.0653	0.25%
Fe_2 238.863 Rt	26577.9	26.605 mg/L	0.0595	26.605 mg/L	0.0595	0.22%
Mg 279.077 Rt	55516.1	26.808 mg/L	0.0846	26.808 mg/L	0.0846	0.32%
Na_1 589.592 Rt	252867.2	25.480 mg/L	0.0541	25.480 mg/L	0.0541	0.21%
Na_2 330.237 Rt	1897.4	26.413 mg/L	0.3571	26.413 mg/L	0.3571	1.35%
Zn 206.200†	88208.7	2.6082 mg/L	0.00443	2.6082 mg/L	0.00443	0.17%

Sequence No.: 51  
 Sample ID: CCB  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 5  
 Date Collected: 7/18/2006 12:55:30 PM  
 Data Type: Reprocessed on 7/18/2006 2:04:08 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCB

Analyte	Mean Corrected		Calib		Sample			RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
In Axial	412601.5	98.321	%	0.0794				0.08%
In Radial	17731.7	99.812	%	0.3428				0.34%
Y_Axial	1980165.9	98.439	%	0.1497				0.15%
Y_Radial	200417.9	98.092	%	0.8983				0.92%
Sc Axial	3832345.1	98.437	%	0.1121				0.11%
Sc Radial	375261.4	97.811	%	0.9890				1.01%
Al_1 396.153 Rt	89.1	0.00728	mg/L	0.008077	0.00728	mg/L	0.008077	110.96%
Al_2 308.215 Rt	6.3	0.00186	mg/L	0.000955	0.00186	mg/L	0.000955	51.33%
Ca 315.887 Rt	13.6	0.00080	mg/L	0.002194	0.00080	mg/L	0.002194	272.58%
Fe_1 273.955†	184.2	0.00357	mg/L	0.002403	0.00357	mg/L	0.002403	67.23%
Fe_2 238.863 Rt	-4.5	-0.00450	mg/L	0.003886	-0.00450	mg/L	0.003886	86.29%
Mg 279.077 Rt	11.3	0.00544	mg/L	0.002726	0.00544	mg/L	0.002726	50.11%
Na_1 589.592 Rt	216.7	0.02184	mg/L	0.002308	0.02184	mg/L	0.002308	10.57%
Na_2 330.237 Rt	-5.0	-0.07336	mg/L	0.114981	-0.07336	mg/L	0.114981	156.73%
Zn 206.200†	7.8	0.00023	mg/L	0.000160	0.00023	mg/L	0.000160	69.13%

Sequence No.: 61  
 Sample ID: H8GK7  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 57  
 Date Collected: 7/18/2006 1:32:17 PM  
 Data Type: Reprocessed on 7/18/2006 2:04:39 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H8GK7

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	425697.8	101.44 %	2.418			2.38%
In Radial	18198.0	102.44 %	0.238			0.23%
Y_Axial	2038389.6	101.33 %	2.390			2.36%
Y_Radial	210688.7	103.12 %	1.636			1.59%
Sc Axial	3945500.6	101.34 %	2.438			2.41%
Sc Radial	394666.9	102.87 %	1.641			1.60%
Al_1 396.153 Rt	6404.3	0.52342 mg/L	0.000346	628.35 mg/L	0.415	0.07%
Al_2 308.215 Rt	1733.9	0.51499 mg/L	0.007975	618.23 mg/L	9.574	1.55%
Ca 315.887 Rt	12905.9	0.76322 mg/L	0.002864	916.23 mg/L	3.439	0.38%
Fe_1 273.955†	29563.8	0.57369 mg/L	0.001108	688.70 mg/L	1.330	0.19%
Fe_2 238.863 Rt	573.2	0.57382 mg/L	0.010201	688.86 mg/L	12.246	1.78%
Mg 279.077 Rt	653.2	0.31540 mg/L	0.014421	378.63 mg/L	17.312	4.57%
Na_1 589.592 Rt	5875.8	0.59208 mg/L	0.002648	710.78 mg/L	3.179	0.45%
Na_2 330.237 Rt	8.0	0.11242 mg/L	0.249676	134.96 mg/L	299.732	222.10%
Zn 206.200†	208.3	0.00616 mg/L	0.000145	7.3938 mg/L	0.17411	2.35%

Sequence No.: 62

Sample ID: CCV

Analyst: AWW

Initial Sample Wt:

Dilution:

Autosampler Location: 7

Date Collected: 7/18/2006 1:37:00 PM

Data Type: Reprocessed on 7/18/2006 2:04:40 PM

Initial Sample Vol: 1 mL

Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	377329.2	89.916 %	1.5148			1.68%
In Radial	16601.4	93.450 %	1.9772			2.12%
Y_Axial	1867774.2	92.852 %	1.3916			1.50%
Y_Radial	194029.6	94.966 %	2.1331			2.25%
Sc Axial	3623160.1	93.063 %	1.7179			1.85%
Sc Radial	371951.4	96.948 %	0.0987			0.10%
Al_1 396.153 Rt	321740.5	26.296 mg/L	0.6180	26.296 mg/L	0.6180	2.35%
Al_2 308.215 Rt	87570.8	26.010 mg/L	0.0143	26.010 mg/L	0.0143	0.06%
Ca 315.887 Rt	456457.0	26.994 mg/L	0.5942	26.994 mg/L	0.5942	2.20%
Fe_1 273.955†	1355799.8	26.309 mg/L	0.0808	26.309 mg/L	0.0808	0.31%
Fe_2 238.863 Rt	26800.9	26.828 mg/L	0.1328	26.828 mg/L	0.1328	0.49%
Mg 279.077 Rt	55731.2	26.912 mg/L	0.0763	26.912 mg/L	0.0763	0.28%
Na_1 589.592 Rt	255123.8	25.708 mg/L	0.5637	25.708 mg/L	0.5637	2.19%
Na_2 330.237 Rt	1912.1	26.626 mg/L	0.8191	26.626 mg/L	0.8191	3.08%
Zn 206.200†	88317.2	2.6114 mg/L	0.01222	2.6114 mg/L	0.01222	0.47%

Sequence No.: 63

Sample ID: CCB

Analyst: AWW

Initial Sample Wt:

Dilution:

Autosampler Location: 5

Date Collected: 7/18/2006 1:39:20 PM

Data Type: Reprocessed on 7/18/2006 2:04:41 PM

Initial Sample Vol: 1 mL

Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	416864.8	99.337 %	1.0159			1.02%
In Radial	17703.7	99.655 %	0.0233			0.02%
Y_Axial	2001715.2	99.510 %	0.9608			0.97%
Y_Radial	209798.1	102.68 %	1.980			1.93%
Sc Axial	3876039.3	99.559 %	0.9736			0.98%
Sc Radial	393627.8	102.60 %	2.073			2.02%
Al_1 396.153 Rt	65.7	0.00537 mg/L	0.001805	0.00537 mg/L	0.001805	33.59%
Al_2 308.215 Rt	7.7	0.00229 mg/L	0.000151	0.00229 mg/L	0.000151	6.58%
Ca 315.887 Rt	52.6	0.00311 mg/L	0.000221	0.00311 mg/L	0.000221	7.10%
Fe_1 273.955t	168.5	0.00327 mg/L	0.000715	0.00327 mg/L	0.000715	21.86%
Fe_2 238.863 Rt	2.4	0.00243 mg/L	0.006435	0.00243 mg/L	0.006435	264.65%
Mg 279.077 Rt	14.1	0.00679 mg/L	0.001827	0.00679 mg/L	0.001827	26.90%
Na_1 589.592 Rt	19.8	0.00199 mg/L	0.009508	0.00199 mg/L	0.009508	477.17%
Na_2 330.237 Rt	-1.3	-0.01909 mg/L	0.027798	-0.01909 mg/L	0.027798	145.62%
Zn 206.200t	7.1	0.00021 mg/L	0.000053	0.00021 mg/L	0.000053	25.28%

**ICPMS**

SEVERN  
TRENT

STL

STL Sacramento  
ICP-MS Data Review Checklist  
Level I and Level II

Instrument ID (Circle one): <input checked="" type="radio"/> M01 <input type="radio"/> M02		Method 6020 SOP SAC-MT-0001		
File Number <i>060717B1</i>	Batch Numbers <i>6193191, 6193499, 6194461</i>	Date <i>7/17/06</i>	Analyst <i>BRJ</i>	
Lot Numbers <i>G6F270335, G6G010204, G6G070251, G6F290300, G6G060239</i>			YES	NO
1. Copy of analysis protocol used included?			<input checked="" type="checkbox"/>	
2. ICVs & CCVs within 10% of true value or recal and rerun?			<input checked="" type="checkbox"/>	
3. ICB & CCBs < reporting limit or recal and rerun?			<input checked="" type="checkbox"/>	
4. 10 samples or less analyzed between calibration checks?			<input checked="" type="checkbox"/>	
5. All parameters within linear range?			<input checked="" type="checkbox"/>	
6. LCS/LCSD within limits?			<input checked="" type="checkbox"/>	
7. Prep blank value < reporting limit or all samples >20x blank?			<input checked="" type="checkbox"/>	
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?			<input checked="" type="checkbox"/>	
9. Appropriate dilution factors applied to data?			<input checked="" type="checkbox"/>	
10. Matrix spike and spike dup within customer defined limits?				<input checked="" type="checkbox"/>
11. Each batch checked for presence of internal standard in samples?			<input checked="" type="checkbox"/>	
12. Anomalies entered using Clouseau?				<input checked="" type="checkbox"/>

COMMENTS:

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REVIEWED BY: <i>MJZ</i>	DATA ENTERED BY: <i>BRJ</i>
DATE: <i>7/20/06</i>	DATE: <i>7/19/06</i>

## Dataset Report

Perkin Elmer ICPMS M01  
 SOP No. SAC-MT-0001  
 Method 6020

User Name: JonesB

Computer Name: SACP317A

Dataset File Path: C:\elandata\Dataset\060717B1\

Report Date/Time: Tuesday, July 18, 2006 09:08:49

### The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
6193191	H8A94 n.i.	17:10:26 Mon 17-Jul-06	Sample	G6F270335-1 N.I.
6193191	H8L2H n.i.	17:13:12 Mon 17-Jul-06	Sample	G6G010204-3 N.I.
6193191	H8T13 n.i.	17:16:00 Mon 17-Jul-06	Sample	G6G070251-4 N.I.
6193489	H8GKJ n.i.	17:18:47 Mon 17-Jul-06	Sample	G6F290300-1 N.I.
6194461	H8QTL n.i.	17:21:32 Mon 17-Jul-06	Sample	G6G060239-1 N.I.
	Rinse 3X	17:26:29 Mon 17-Jul-06	Sample	
	Blank	17:31:05 Mon 17-Jul-06	Blank	
	Standard 1	17:35:37 Mon 17-Jul-06	Standard #1	
	ICV	17:39:51 Mon 17-Jul-06	Sample	
	ICB	17:44:11 Mon 17-Jul-06	Sample	
	ICSA	17:48:30 Mon 17-Jul-06	Sample	
	ICSAB	17:52:48 Mon 17-Jul-06	Sample	
	Rinse	18:03:43 Mon 17-Jul-06	Sample	
6193489	FB	18:08:05 Mon 17-Jul-06	Sample	FB-F1815158
6194461	FB	18:12:26 Mon 17-Jul-06	Sample	FB-F1815158
	CCV 1	18:16:47 Mon 17-Jul-06	Sample	
	CCB 1	18:21:08 Mon 17-Jul-06	Sample	
	CCV 2	18:25:30 Mon 17-Jul-06	Sample	
	CCB 2	18:29:51 Mon 17-Jul-06	Sample	
6193191	H82HAC	18:34:10 Mon 17-Jul-06	Sample	G6G120000-191 LCS
6193191	H82HAL	18:38:26 Mon 17-Jul-06	Sample	G6G120000-191 LCSD
	Rinse	18:42:46 Mon 17-Jul-06	Sample	
6193191	H82HAB	18:47:08 Mon 17-Jul-06	Sample	G6G120000-191 BLK
6193191	H8A94	18:51:27 Mon 17-Jul-06	Sample	G6F270335-1
6193191	H8A94P5	18:55:45 Mon 17-Jul-06	Sample	G6F270335-1 5X
6193191	H8A94Z	19:00:02 Mon 17-Jul-06	Sample	G6F270335-1 PS
	CCV 3	19:04:21 Mon 17-Jul-06	Sample	
	CCB 3	19:08:41 Mon 17-Jul-06	Sample	
	CCV 4	19:13:02 Mon 17-Jul-06	Sample	
	CCB 4	19:17:23 Mon 17-Jul-06	Sample	
6193191	H8A98	19:21:43 Mon 17-Jul-06	Sample	G6F270335-2
6193191	H8L2H	19:26:02 Mon 17-Jul-06	Sample	G6G010204-3
6193191	H8L2J	19:30:20 Mon 17-Jul-06	Sample	G6G010204-4
6193191	H8L2K	19:34:40 Mon 17-Jul-06	Sample	G6G010204-5
6193191	H8T13	19:38:59 Mon 17-Jul-06	Sample	G6G070251-4
6193191	H8T18	19:43:19 Mon 17-Jul-06	Sample	G6G070251-5
6193191	H8T19	19:47:39 Mon 17-Jul-06	Sample	G6G070251-6
	CCV 5	19:51:58 Mon 17-Jul-06	Sample	
	CCB 5	19:56:20 Mon 17-Jul-06	Sample	
	CCV 6	20:00:41 Mon 17-Jul-06	Sample	
	CCB 6	20:05:02 Mon 17-Jul-06	Sample	
6193489	H8411B	20:09:23 Mon 17-Jul-06	Sample	G6G120000-489 BLK
6193489	H8411C	20:13:43 Mon 17-Jul-06	Sample	G6G120000-489 LCS
6193489	H8411L	20:18:00 Mon 17-Jul-06	Sample	G6G120000-489 LCSD
6193489	H8GKJ	20:22:17 Mon 17-Jul-06	Sample	G6F290300-1
6193489	H8GKJP5	20:26:34 Mon 17-Jul-06	Sample	G6F290300-1 5X
6193489	H8GKJZ	20:30:51 Mon 17-Jul-06	Sample	G6F290300-1 PS
6193489	H8GKL	20:35:09 Mon 17-Jul-06	Sample	G6F290300-2
6193489	H8GKM	20:39:27 Mon 17-Jul-06	Sample	G6F290300-3

6193489	H8GKQ	20:43:45 Mon 17-Jul-06	Sample	G6F290300-4
6193489	H8GKR	20:48:05 Mon 17-Jul-06	Sample	G6F290300-5
	CCV 7	20:52:25 Mon 17-Jul-06	Sample	<i>out A1</i>
	CCB 7	20:56:46 Mon 17-Jul-06	Sample	
	CCV 8	21:01:07 Mon 17-Jul-06	Sample	
	CCB 8	21:05:27 Mon 17-Jul-06	Sample	
6193489	H8GKV	21:09:48 Mon 17-Jul-06	Sample	G6F290300-6
6193489	H8GKW	21:14:08 Mon 17-Jul-06	Sample	G6F290300-7
6193489	H8GKX	21:18:28 Mon 17-Jul-06	Sample	G6F290300-8
6193489	H8GK1	21:22:48 Mon 17-Jul-06	Sample	G6F290300-9
6193489	H8GK2	21:27:09 Mon 17-Jul-06	Sample	G6F290300-10
6193489	H8GK4	21:31:31 Mon 17-Jul-06	Sample	G6F290300-11
6193489	H8GK6	21:35:53 Mon 17-Jul-06	Sample	G6F290300-12
6193489	H8GK7	21:40:15 Mon 17-Jul-06	Sample	G6F290300-13
6193489	H8GK8	21:44:37 Mon 17-Jul-06	Sample	G6F290300-14
6193489	H8GLA	21:48:59 Mon 17-Jul-06	Sample	G6F290300-15
	CCV 9 <i>&gt; RECAL</i>	21:53:21 Mon 17-Jul-06	Sample	<i>out A1</i>
	CCB 9	21:57:43 Mon 17-Jul-06	Sample	
	CCV 10	22:02:04 Mon 17-Jul-06	Sample	
	CCB 10	22:06:25 Mon 17-Jul-06	Sample	
6194461	H87HNB	22:10:46 Mon 17-Jul-06	Sample	G6G130000-461 BLK
6194461	H87HNC	22:15:07 Mon 17-Jul-06	Sample	G6G130000-461 LCS
6194461	H87HNL	22:19:25 Mon 17-Jul-06	Sample	G6G130000-461 LCSD
6194461	H8QTL	22:23:42 Mon 17-Jul-06	Sample	G6G060239-1
6194461	H8QTLP5	22:27:57 Mon 17-Jul-06	Sample	G6G060239-1 5X
6194461	H8QTLZ	22:32:13 Mon 17-Jul-06	Sample	G6G060239-1 PS
6194461	H8QTN	22:36:31 Mon 17-Jul-06	Sample	G6G060239-2
6194461	H8QTQ	22:40:48 Mon 17-Jul-06	Sample	G6G060239-3
6194461	H8QTT	22:45:05 Mon 17-Jul-06	Sample	G6G060239-4
6194461	H8QTV	22:49:24 Mon 17-Jul-06	Sample	G6G060239-5
	CCV 11	22:53:43 Mon 17-Jul-06	Sample	
	CCB 11	22:58:04 Mon 17-Jul-06	Sample	
	CCV 12	23:02:25 Mon 17-Jul-06	Sample	
	CCB 12	23:06:47 Mon 17-Jul-06	Sample	
6194461	H8QTW	23:11:06 Mon 17-Jul-06	Sample	G6G060239-6
6194461	H8QTX	23:15:24 Mon 17-Jul-06	Sample	G6G060239-7
6194461	H8QT1	23:19:43 Mon 17-Jul-06	Sample	G6G060239-8
6194461	H8QT2	23:24:03 Mon 17-Jul-06	Sample	G6G060239-9
6194461	H8QT3	23:28:23 Mon 17-Jul-06	Sample	G6G060239-10
6194461	H8QT5	23:32:44 Mon 17-Jul-06	Sample	G6G060239-11
6194461	H8QT6	23:37:05 Mon 17-Jul-06	Sample	G6G060239-12
6194461	H8QT7	23:41:27 Mon 17-Jul-06	Sample	G6G060239-13
6194461	H8QT8	23:45:49 Mon 17-Jul-06	Sample	G6G060239-14
6194461	H8QT9	23:50:10 Mon 17-Jul-06	Sample	G6G060239-15
	CCV 13	23:54:32 Mon 17-Jul-06	Sample	
	CCB 13	23:58:52 Mon 17-Jul-06	Sample	

## STL Sacramento

## RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 07/18/06 18:22:25

File ID: 060717B1

Analyst: jonesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	H8A94 n.i.	G6F270335-1	6193191	2A	1.0	07/17/06 17:10	<input type="checkbox"/>
2	H8L2H n.i.	G6G010204-3	6193191	2A	1.0	07/17/06 17:13	<input type="checkbox"/>
3	H8T13 n.i.	G6G070251-4	6193191	2A	1.0	07/17/06 17:16	<input type="checkbox"/>
4	H8GKJ n.i.	G6F290300-1	6193489	2A	1.0	07/17/06 17:18	<input type="checkbox"/>
5	H8QTL n.i.	G6G060239-1	6194461	2A	1.0	07/17/06 17:21	<input type="checkbox"/>
6	Rinse 3X				3.0	07/17/06 17:26	<input type="checkbox"/>
7	Blank				1.0	07/17/06 17:31	<input type="checkbox"/>
8	Standard1				1.0	07/17/06 17:35	<input type="checkbox"/>
9	ICV				1.0	07/17/06 17:39	<input type="checkbox"/>
10	ICB				1.0	07/17/06 17:44	<input type="checkbox"/>
11	ICSA				1.0	07/17/06 17:48	<input type="checkbox"/>
12	ICSAB				1.0	07/17/06 17:52	<input type="checkbox"/>
13	Rinse				1.0	07/17/06 18:03	<input type="checkbox"/>
14	FB				1.0	07/17/06 18:08	<input type="checkbox"/>
15	FB				1.0	07/17/06 18:12	<input type="checkbox"/>
16	CCV 1				1.0	07/17/06 18:16	<input type="checkbox"/>
17	CCB 1				1.0	07/17/06 18:21	<input type="checkbox"/>
18	CCV 2				1.0	07/17/06 18:25	<input type="checkbox"/>
19	CCB 2				1.0	07/17/06 18:29	<input type="checkbox"/>
20	H82HAC	G6G120000	6193191	2A	1.0	07/17/06 18:34	<input type="checkbox"/>
21	H82HAL	G6G120000	6193191	2A	1.0	07/17/06 18:38	<input type="checkbox"/>
22	Rinse				1.0	07/17/06 18:42	<input type="checkbox"/>
23	H82HAB	G6G120000	6193191	2A	1.0	07/17/06 18:47	<input type="checkbox"/>
24	H8A94	G6F270335-1	6193191	2A	1.0	07/17/06 18:51	<input type="checkbox"/>
25	H8A94P5	G6F270335	6193191		5.0	07/17/06 18:55	<input type="checkbox"/>
26	H8A94Z	G6F270335-1	6193191		1.0	07/17/06 19:00	<input type="checkbox"/>
27	CCV 3				1.0	07/17/06 19:04	<input type="checkbox"/>
28	CCB 3				1.0	07/17/06 19:08	<input type="checkbox"/>
29	CCV 4				1.0	07/17/06 19:13	<input type="checkbox"/>
30	CCB 4				1.0	07/17/06 19:17	<input type="checkbox"/>
31	H8A98	G6F270335-2	6193191	2A	1.0	07/17/06 19:21	<input type="checkbox"/>
32	H8L2H	G6G010204-3	6193191	2A	1.0	07/17/06 19:26	<input type="checkbox"/>
33	H8L2J	G6G010204-4	6193191	2A	1.0	07/17/06 19:30	<input type="checkbox"/>
34	H8L2K	G6G010204-5	6193191	2A	1.0	07/17/06 19:34	<input type="checkbox"/>
35	H8T13	G6G070251-4	6193191	2A	1.0	07/17/06 19:38	<input type="checkbox"/>
36	H8T18	G6G070251-5	6193191	2A	1.0	07/17/06 19:43	<input type="checkbox"/>
37	H8T19	G6G070251-6	6193191	2A	1.0	07/17/06 19:47	<input type="checkbox"/>
38	CCV 5				1.0	07/17/06 19:51	<input type="checkbox"/>
39	CCB 5				1.0	07/17/06 19:56	<input type="checkbox"/>
40	CCV 6				1.0	07/17/06 20:00	<input type="checkbox"/>
41	CCB 6				1.0	07/17/06 20:05	<input type="checkbox"/>
42	H8411B	G6G120000	6193489	2A	1.0	07/17/06 20:09	<input type="checkbox"/>
43	H8411C	G6G120000	6193489	2A	1.0	07/17/06 20:13	<input type="checkbox"/>
44	H8411L	G6G120000	6193489	2A	1.0	07/17/06 20:18	<input type="checkbox"/>
45	H8GKJ	G6F290300-1	6193489	2A	1.0	07/17/06 20:22	<input type="checkbox"/>
46	H8GKJP5	G6F290300	6193489		5.0	07/17/06 20:26	<input type="checkbox"/>

## STL Sacramento

## RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 07/18/06 18:22:25

File ID: 060717B1

Analyst: jonesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
47	H8GKJZ	G6F290300-1	6193489		1.0 07/17/06 20:30		<input type="checkbox"/>
48	H8GKL	G6F290300-2	6193489	2A	1.0 07/17/06 20:35		<input type="checkbox"/>
49	H8GKM	G6F290300-3	6193489	2A	1.0 07/17/06 20:39		<input type="checkbox"/>
50	H8GKQ	G6F290300-4	6193489	2A	1.0 07/17/06 20:43		<input type="checkbox"/>
51	H8GKR	G6F290300-5	6193489	2A	1.0 07/17/06 20:48		<input type="checkbox"/>
52	CCV 7				1.0 07/17/06 20:52		<input type="checkbox"/>
53	CCB 7				1.0 07/17/06 20:56		<input type="checkbox"/>
54	CCV 8				1.0 07/17/06 21:01		<input type="checkbox"/>
55	CCB 8				1.0 07/17/06 21:05		<input type="checkbox"/>
56	H8GKV	G6F290300-6	6193489	2A	1.0 07/17/06 21:09		<input type="checkbox"/>
57	H8GKW	G6F290300-7	6193489	2A	1.0 07/17/06 21:14		<input type="checkbox"/>
58	H8GKX	G6F290300-8	6193489	2A	1.0 07/17/06 21:18		<input type="checkbox"/>
59	H8GK1	G6F290300-9	6193489	2A	1.0 07/17/06 21:22		<input type="checkbox"/>
60	H8GK2	G6F290300-10	6193489	2A	1.0 07/17/06 21:27		<input type="checkbox"/>
61	H8GK4	G6F290300-11	6193489	2A	1.0 07/17/06 21:31		<input type="checkbox"/>
62	H8GK6	G6F290300-12	6193489	2A	1.0 07/17/06 21:35		<input type="checkbox"/>
63	H8GK7	G6F290300-13	6193489	2A	1.0 07/17/06 21:40		<input type="checkbox"/>
64	H8GK8	G6F290300-14	6193489	2A	1.0 07/17/06 21:44		<input type="checkbox"/>
65	H8GLA	G6F290300-15	6193489	2A	1.0 07/17/06 21:48		<input type="checkbox"/>
66	CCV 9				1.0 07/17/06 21:53		<input type="checkbox"/>
67	CCB 9				1.0 07/17/06 21:57		<input type="checkbox"/>
70	CCV 10				1.0 07/17/06 22:02		<input type="checkbox"/>
71	CCB 10				1.0 07/17/06 22:06		<input type="checkbox"/>
72	H87HNB	G6G130000	6194461	2A	1.0 07/17/06 22:10		<input type="checkbox"/>
73	H87HNC	G6G130000	6194461	2A	1.0 07/17/06 22:15		<input type="checkbox"/>
74	H87HNL	G6G130000	6194461	2A	1.0 07/17/06 22:19		<input type="checkbox"/>
75	H8QTL	G6G060239-1	6194461	2A	1.0 07/17/06 22:23		<input type="checkbox"/>
76	H8QTLP5	G6G060239	6194461		5.0 07/17/06 22:27		<input type="checkbox"/>
77	H8QTLZ	G6G060239-1	6194461		1.0 07/17/06 22:32		<input type="checkbox"/>
78	H8QTN	G6G060239-2	6194461	2A	1.0 07/17/06 22:36		<input type="checkbox"/>
79	H8QTQ	G6G060239-3	6194461	2A	1.0 07/17/06 22:40		<input type="checkbox"/>
80	H8QTT	G6G060239-4	6194461	2A	1.0 07/17/06 22:45		<input type="checkbox"/>
81	H8QTV	G6G060239-5	6194461	2A	1.0 07/17/06 22:49		<input type="checkbox"/>
82	CCV 11				1.0 07/17/06 22:53		<input type="checkbox"/>
83	CCB 11				1.0 07/17/06 22:58		<input type="checkbox"/>
84	CCV 12				1.0 07/17/06 23:02		<input type="checkbox"/>
85	CCB 12				1.0 07/17/06 23:06		<input type="checkbox"/>
86	H8QTW	G6G060239-6	6194461	2A	1.0 07/17/06 23:11		<input type="checkbox"/>
87	H8QTX	G6G060239-7	6194461	2A	1.0 07/17/06 23:15		<input type="checkbox"/>
88	H8QT1	G6G060239-8	6194461	2A	1.0 07/17/06 23:19		<input type="checkbox"/>
89	H8QT2	G6G060239-9	6194461	2A	1.0 07/17/06 23:24		<input type="checkbox"/>
90	H8QT3	G6G060239-10	6194461	2A	1.0 07/17/06 23:28		<input type="checkbox"/>
91	H8QT5	G6G060239-11	6194461	2A	1.0 07/17/06 23:32		<input type="checkbox"/>
92	H8QT6	G6G060239-12	6194461	2A	1.0 07/17/06 23:37		<input type="checkbox"/>
93	H8QT7	G6G060239-13	6194461	2A	1.0 07/17/06 23:41		<input type="checkbox"/>
94	H8QT8	G6G060239-14	6194461	2A	1.0 07/17/06 23:45		<input type="checkbox"/>

**STL Sacramento****RUN SUMMARY**

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 07/18/06 18:22:25

File ID: 060717B1

Analyst: ionesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
95	H8QT9	G6G060239-15	6194461	2A	1.0	07/17/06 23:50	<input type="checkbox"/>
96	CCV 13				1.0	07/17/06 23:54	<input type="checkbox"/>
97	CCB 13				1.0	07/17/06 23:58	<input type="checkbox"/>

## STL Sacramento

## INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 07/18/06 18:22:25

File ID: 060717B1

Analyst: jonesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	H8A94 n.i.	07/17/06 17:10	0.6	0.1	0.1	0.1	<input type="checkbox"/>
2	H8L2H n.i.	07/17/06 17:13	0.4	0.1	0.1	0.1	<input type="checkbox"/>
3	H8T13 n.i.	07/17/06 17:16	0.3	0.1	0.1	0.1	<input type="checkbox"/>
4	H8GKJ n.i.	07/17/06 17:18	0.1	0.1	0.1	0.1	<input type="checkbox"/>
5	H8QTL n.i.	07/17/06 17:21	0.1	0.1	0.1	0.1	<input type="checkbox"/>
6	Rinse 3X	07/17/06 17:26	100.2	100.2	98.4	101.0	<input type="checkbox"/>
7	Blank	07/17/06 17:31	100.0	100.0	100.0	100.0	<input checked="" type="checkbox"/>
8	Standard1	07/17/06 17:35	97.7	96.4	98.3	99.4	<input checked="" type="checkbox"/>
9	ICV	07/17/06 17:39	99.1	98.7	100.6	102.4	<input checked="" type="checkbox"/>
10	ICB	07/17/06 17:44	101.0	100.8	100.5	103.6	<input checked="" type="checkbox"/>
11	ICSA	07/17/06 17:48	85.7	86.9	80.4	85.5	<input checked="" type="checkbox"/>
12	ICSAB	07/17/06 17:52	85.9	89.5	79.4	88.0	<input checked="" type="checkbox"/>
13	Rinse	07/17/06 18:03	106.1	109.5	100.0	110.3	<input checked="" type="checkbox"/>
14	FB	07/17/06 18:08	107.3	110.2	96.8	109.3	<input checked="" type="checkbox"/>
15	FB	07/17/06 18:12	108.1	111.2	98.0	112.2	<input checked="" type="checkbox"/>
16	CCV 1	07/17/06 18:16	103.8	104.2	101.1	107.1	<input checked="" type="checkbox"/>
17	CCB 1	07/17/06 18:21	106.3	108.5	103.7	109.4	<input checked="" type="checkbox"/>
18	CCV 2	07/17/06 18:25	103.7	103.3	102.3	106.7	<input checked="" type="checkbox"/>
19	CCB 2	07/17/06 18:29	105.8	107.6	101.9	109.7	<input checked="" type="checkbox"/>
20	H82HAC	07/17/06 18:34	104.0	106.6	101.2	110.5	<input checked="" type="checkbox"/>
21	H82HAL	07/17/06 18:38	102.4	105.2	101.7	110.6	<input checked="" type="checkbox"/>
22	Rinse	07/17/06 18:42	103.3	105.3	102.1	107.3	<input checked="" type="checkbox"/>
23	H82HAB	07/17/06 18:47	103.7	106.5	101.0	111.2	<input checked="" type="checkbox"/>
24	H8A94	07/17/06 18:51	104.1	105.5	97.4	109.8	<input checked="" type="checkbox"/>
25	H8A94P5	07/17/06 18:55	105.1	105.5	100.2	110.2	<input type="checkbox"/>
26	H8A94Z	07/17/06 19:00	102.1	104.1	99.4	108.4	<input checked="" type="checkbox"/>
27	CCV 3	07/17/06 19:04	101.3	100.6	100.2	107.0	<input checked="" type="checkbox"/>
28	CCB 3	07/17/06 19:08	104.1	104.4	100.9	107.8	<input checked="" type="checkbox"/>
29	CCV 4	07/17/06 19:13	102.8	102.1	101.2	106.7	<input checked="" type="checkbox"/>
30	CCB 4	07/17/06 19:17	104.3	105.4	101.6	107.3	<input checked="" type="checkbox"/>
31	H8A98	07/17/06 19:21	104.6	106.0	97.4	109.4	<input checked="" type="checkbox"/>
32	H8L2H	07/17/06 19:26	105.1	105.7	98.4	110.5	<input checked="" type="checkbox"/>
33	H8L2J	07/17/06 19:30	103.9	104.7	97.1	109.9	<input checked="" type="checkbox"/>
34	H8L2K	07/17/06 19:34	103.7	105.2	98.1	109.4	<input checked="" type="checkbox"/>
35	H8T13	07/17/06 19:38	104.5	106.2	97.6	110.9	<input checked="" type="checkbox"/>
36	H8T18	07/17/06 19:43	103.9	104.8	97.4	109.3	<input checked="" type="checkbox"/>
37	H8T19	07/17/06 19:47	103.5	104.9	98.0	109.3	<input checked="" type="checkbox"/>
38	CCV 5	07/17/06 19:51	101.7	100.6	99.2	107.1	<input checked="" type="checkbox"/>
39	CCB 5	07/17/06 19:56	103.7	103.8	99.8	108.6	<input checked="" type="checkbox"/>
40	CCV 6	07/17/06 20:00	102.0	100.7	99.6	107.1	<input checked="" type="checkbox"/>
41	CCB 6	07/17/06 20:05	104.7	104.5	100.2	108.4	<input checked="" type="checkbox"/>
42	H8411B	07/17/06 20:09	106.1	108.5	100.7	112.9	<input checked="" type="checkbox"/>
43	H8411C	07/17/06 20:13	102.6	106.3	103.5	111.5	<input checked="" type="checkbox"/>
44	H8411L	07/17/06 20:18	101.3	104.4	102.2	111.2	<input checked="" type="checkbox"/>
45	H8GKJ	07/17/06 20:22	102.8	104.4	101.5	110.4	<input checked="" type="checkbox"/>
46	H8GKJP5	07/17/06 20:26	102.3	101.9	101.3	106.5	<input type="checkbox"/>

## STL Sacramento

## INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 07/18/06 18:22:25

File ID: 060717B1

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
47	H8GKJZ	07/17/06 20:30	102.5	103.9	101.9	109.3	<input checked="" type="checkbox"/>
48	H8GKL	07/17/06 20:35	103.4	103.8	102.4	111.0	<input checked="" type="checkbox"/>
49	H8GKM	07/17/06 20:39	103.2	104.1	101.6	108.6	<input checked="" type="checkbox"/>
50	H8GKQ	07/17/06 20:43	101.9	102.9	100.2	108.0	<input checked="" type="checkbox"/>
51	H8GKR	07/17/06 20:48	103.2	104.0	102.1	110.1	<input checked="" type="checkbox"/>
52	CCV 7	07/17/06 20:52	103.1	100.6	102.7	108.1	<input checked="" type="checkbox"/>
53	CCB 7	07/17/06 20:56	103.2	102.0	101.0	106.7	<input checked="" type="checkbox"/>
54	CCV 8	07/17/06 21:01	102.1	100.3	101.5	106.0	<input checked="" type="checkbox"/>
55	CCB 8	07/17/06 21:05	104.1	102.9	101.9	108.6	<input checked="" type="checkbox"/>
56	H8GKV	07/17/06 21:09	104.4	105.3	102.6	111.5	<input checked="" type="checkbox"/>
57	H8GKW	07/17/06 21:14	104.2	105.3	100.8	110.5	<input checked="" type="checkbox"/>
58	H8GKX	07/17/06 21:18	104.7	105.1	102.5	111.5	<input checked="" type="checkbox"/>
59	H8GK1	07/17/06 21:22	104.7	104.2	102.6	111.0	<input checked="" type="checkbox"/>
60	H8GK2	07/17/06 21:27	104.6	104.6	102.8	109.4	<input checked="" type="checkbox"/>
61	H8GK4	07/17/06 21:31	105.0	105.2	103.1	111.6	<input checked="" type="checkbox"/>
62	H8GK6	07/17/06 21:35	104.0	104.7	102.1	110.8	<input checked="" type="checkbox"/>
63	H8GK7	07/17/06 21:40	104.4	104.5	102.9	111.8	<input checked="" type="checkbox"/>
64	H8GK8	07/17/06 21:44	105.7	105.2	103.5	110.6	<input checked="" type="checkbox"/>
65	H8GLA	07/17/06 21:48	105.9	106.1	103.8	113.2	<input checked="" type="checkbox"/>
66	CCV 9	07/17/06 21:53	103.5	101.0	103.1	107.8	<input checked="" type="checkbox"/>
67	CCB 9	07/17/06 21:57	104.0	102.8	103.0	108.7	<input checked="" type="checkbox"/>
70	CCV 10	07/17/06 22:02	99.3	97.6	100.6	98.7	<input checked="" type="checkbox"/>
71	CCB 10	07/17/06 22:06	100.4	99.9	100.6	100.1	<input checked="" type="checkbox"/>
72	H87HNB	07/17/06 22:10	102.7	103.4	100.9	104.2	<input checked="" type="checkbox"/>
73	H87HNC	07/17/06 22:15	99.3	102.3	103.0	103.9	<input checked="" type="checkbox"/>
74	H87HNL	07/17/06 22:19	97.4	100.5	100.7	103.7	<input checked="" type="checkbox"/>
75	H8QTL	07/17/06 22:23	98.5	101.7	99.5	103.3	<input checked="" type="checkbox"/>
76	H8QTLP5	07/17/06 22:27	98.9	99.2	99.8	101.4	<input type="checkbox"/>
77	H8QTLZ	07/17/06 22:32	96.9	98.8	101.4	101.7	<input checked="" type="checkbox"/>
78	H8QTN	07/17/06 22:36	97.4	99.4	99.5	102.4	<input checked="" type="checkbox"/>
79	H8QTQ	07/17/06 22:40	97.9	100.1	100.4	102.6	<input checked="" type="checkbox"/>
80	H8QTT	07/17/06 22:45	98.1	100.3	100.3	103.5	<input checked="" type="checkbox"/>
81	H8QTV	07/17/06 22:49	98.5	100.4	100.3	103.3	<input checked="" type="checkbox"/>
82	CCV 11	07/17/06 22:53	98.0	96.4	99.8	99.6	<input checked="" type="checkbox"/>
83	CCB 11	07/17/06 22:58	98.1	97.8	98.1	98.7	<input checked="" type="checkbox"/>
84	CCV 12	07/17/06 23:02	97.7	96.1	99.3	99.3	<input checked="" type="checkbox"/>
85	CCB 12	07/17/06 23:06	99.9	99.1	99.1	100.3	<input checked="" type="checkbox"/>
86	H8QTW	07/17/06 23:11	100.8	102.2	101.1	104.3	<input checked="" type="checkbox"/>
87	H8QTX	07/17/06 23:15	99.7	102.0	99.2	103.9	<input checked="" type="checkbox"/>
88	H8QT1	07/17/06 23:19	98.7	100.8	99.2	103.6	<input checked="" type="checkbox"/>
89	H8QT2	07/17/06 23:24	98.3	100.4	99.4	102.2	<input checked="" type="checkbox"/>
90	H8QT3	07/17/06 23:28	97.6	99.0	98.6	101.8	<input checked="" type="checkbox"/>
91	H8QT5	07/17/06 23:32	97.8	98.9	99.3	102.7	<input checked="" type="checkbox"/>
92	H8QT6	07/17/06 23:37	97.5	100.0	98.9	101.4	<input checked="" type="checkbox"/>
93	H8QT7	07/17/06 23:41	97.0	98.7	99.1	102.9	<input checked="" type="checkbox"/>
94	H8QT8	07/17/06 23:45	99.4	101.1	99.1	102.2	<input checked="" type="checkbox"/>

STL Sacramento

## INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 07/18/06 18:22:25

File ID: 060717B1

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
95	H8QT9	07/17/06 23:50	100.4	101.5	100.2	104.3	<input checked="" type="checkbox"/>
96	CCV 13	07/17/06 23:54	97.1	95.5	97.6	98.3	<input checked="" type="checkbox"/>
97	CCB 13	07/17/06 23:58	98.0	96.5	98.0	99.1	<input checked="" type="checkbox"/>

**STL SACRAMENTO - Elan 6000 ICPMS Perkin Elmer M01 Quantitative Method Report**

File Name: 6193191.mth  
File Path: C:\elandata\Method\6193191.mth

**Timing Parameters**

Sweeps/Reading: 50  
Readings/Replicate: 1  
Number of Replicates: 3  
Tuning File: default.tun  
Optimization File: default.dac  
QC Enabled: Yes  
Settling Time: Normal

Analyte	Mass	Scan Mode	MCA Channels	Dwell Time	Integration Time
Sc	44.956	Peak Hopping	1	14.0 ms	700 ms
Li-1	6.015	Peak Hopping	1	14.0 ms	700 ms
Be	9.012	Peak Hopping	1	14.0 ms	700 ms
Al	26.982	Peak Hopping	1	14.0 ms	700 ms
Ca	43.956	Peak Hopping	1	14.0 ms	700 ms
V	50.944	Peak Hopping	1	14.0 ms	700 ms
Cr	51.941	Peak Hopping	1	14.0 ms	700 ms
Mn	54.938	Peak Hopping	1	14.0 ms	700 ms
Fe	53.940	Peak Hopping	1	14.0 ms	700 ms
Fe	56.935	Peak Hopping	1	14.0 ms	700 ms
Co	58.933	Peak Hopping	1	14.0 ms	700 ms
Ni	59.933	Peak Hopping	1	14.0 ms	700 ms
Cu	64.928	Peak Hopping	1	14.0 ms	700 ms
Zn	67.925	Peak Hopping	1	14.0 ms	700 ms
As	74.922	Peak Hopping	1	20.0 ms	1000 ms
Se	81.917	Peak Hopping	1	20.0 ms	1000 ms
Mo	96.906	Peak Hopping	1	14.0 ms	700 ms
Ge-1	71.922	Peak Hopping	1	14.0 ms	700 ms
Ag	106.905	Peak Hopping	1	14.0 ms	700 ms
Cd	110.904	Peak Hopping	1	14.0 ms	700 ms
Sb	120.904	Peak Hopping	1	14.0 ms	700 ms
Ba	134.906	Peak Hopping	1	14.0 ms	700 ms
In-1	114.904	Peak Hopping	1	14.0 ms	700 ms
Tl	204.975	Peak Hopping	1	14.0 ms	700 ms
Pb	207.977	Peak Hopping	1	14.0 ms	700 ms
Tm-1	168.934	Peak Hopping	1	14.0 ms	700 ms
Cr	49.946	Peak Hopping	1	5.0 ms	250 ms
Cr	52.941	Peak Hopping	1	5.0 ms	250 ms
Ni	60.931	Peak Hopping	1	5.0 ms	250 ms
Cu	62.930	Peak Hopping	1	5.0 ms	250 ms
Zn	66.927	Peak Hopping	1	5.0 ms	250 ms
Zn	65.926	Peak Hopping	1	5.0 ms	250 ms
Se	75.919	Peak Hopping	1	5.0 ms	250 ms
Se	76.920	Peak Hopping	1	20.0 ms	1000 ms
Se	77.917	Peak Hopping	1	20.0 ms	1000 ms
Br	78.918	Peak Hopping	1	20.0 ms	1000 ms
Ge	71.922	Peak Hopping	1	14.0 ms	700 ms
Cd	107.904	Peak Hopping	1	5.0 ms	250 ms
Cd	113.904	Peak Hopping	1	14.0 ms	700 ms

Ag	108.905	Peak Hopping	1	5.0 ms	250 ms
In	114.904	Peak Hopping	1	14.0 ms	700 ms
207.977	207.977	Peak Hopping	1	14.0 ms	700 ms
Pb	206.976	Peak Hopping	1	14.0 ms	700 ms
Pb	205.975	Peak Hopping	1	14.0 ms	700 ms
Tm	168.934	Peak Hopping	1	14.0 ms	700 ms
Pd	105.903	Peak Hopping	1	14.0 ms	700 ms

### Signal Processing

Detector Mode: Dual  
 Measurement Units: Counts  
 AutoLens: On  
 Spectral Peak Processing: Average  
 Signal Profile Processing: Average  
 Blank Subtraction: After Internal Standard  
 Baseline Readings: 0  
 Smoothing: Yes, Factor 5

### Equations

Analyte	Mass	Corrections
V	50.944	-3.108 * Cr 53 + 0.3524 * Cr 52
Fe	53.940	- 0.028226 * Cr 52
Fe	56.935	-0.074 * Ca 43
Ni	59.933	-0.005 * Ca 43
Cu	64.928	-0.0078 * Ti 49
As	74.922	-3.1278 * Se 77 + 1.0177 * Se 78
Se	81.917	- 0.0035 * Br 79
Cd	110.904	-1.073 * Pd 108 + 0.712 * Pd 106
In-1	114.904	- 0.014032 * Sn 118
Pb	207.977	+ 1.0 * Pb 207 + 1.0 * Pb 206
Cr	49.946	- 0.739726 * Ti 47 - 0.002506 * V 51
Se	75.919	- 0.268980 * Ge 72
Se	77.917	- 0.030435 * Kr 83
Cd	107.904	- 1.184953 * Pd 105
Cd	113.904	- 0.026826 * Sn 118
In	114.904	- 0.014032 * Sn 118

### Calibration Information

Analyte	Mass	Curve Type	Sample Units	Std Units	Std 1	Std 2	Std 3	Std 4
Sc	44.956	Linear Thru Zero	ug/L	ug/L				
Li-1	6.015	Linear Thru Zero	ug/L	ug/L				
Be	9.012	Linear Thru Zero	ug/L	ug/L	100			
Al	26.982	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Ca	43.956	Linear Thru Zero	ug/L	ug/L	5.1e+003			
V	50.944	Linear Thru Zero	ug/L	ug/L	100			
Cr	51.941	Linear Thru Zero	ug/L	ug/L	100			
Mn	54.938	Linear Thru Zero	ug/L	ug/L	100			
Fe	53.940	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Fe	56.935	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Co	58.933	Linear Thru Zero	ug/L	ug/L	100			
Ni	59.933	Linear Thru Zero	ug/L	ug/L	100			
Cu	64.928	Linear Thru Zero	ug/L	ug/L	100			
Zn	67.925	Linear Thru Zero	ug/L	ug/L	100			
As	74.922	Linear Thru Zero	ug/L	ug/L	100			

Se	81.917	Linear Thru Zero	ug/L	ug/L	100
Mo	96.906	Linear Thru Zero	ug/L	ug/L	200
Ge-1	71.922	Linear Thru Zero	ug/L	ug/L	
Ag	106.905	Linear Thru Zero	ug/L	ug/L	50
Cd	110.904	Linear Thru Zero	ug/L	ug/L	100
Sb	120.904	Linear Thru Zero	ug/L	ug/L	50
Ba	134.906	Linear Thru Zero	ug/L	ug/L	100
In-1	114.904	Linear Thru Zero	ug/L	ug/L	
Tl	204.975	Linear Thru Zero	ug/L	ug/L	50
Pb	207.977	Linear Thru Zero	ug/L	ug/L	100
Tm-1	168.934	Linear Thru Zero	ug/L	ug/L	
Cr	49.946	Linear Thru Zero	ug/L	ug/L	100
Cr	52.941	Linear Thru Zero	ug/L	ug/L	100
Ni	60.931	Linear Thru Zero	ug/L	ug/L	100
Cu	62.930	Linear Thru Zero	ug/L	ug/L	100
Zn	66.927	Linear Thru Zero	ug/L	ug/L	100
Zn	65.926	Linear Thru Zero	ug/L	ug/L	100
Se	75.919	Linear Thru Zero	ug/L	ug/L	100
Se	76.920	Linear Thru Zero	ug/L	ug/L	100
Se	77.917	Linear Thru Zero	ug/L	ug/L	100
Br	78.918	Linear Thru Zero	ug/L	ug/L	100
Ge	71.922	Linear Thru Zero	ug/L	ug/L	
Cd	107.904	Linear Thru Zero	ug/L	ug/L	100
Cd	113.904	Linear Thru Zero	ug/L	ug/L	100
Ag	108.905	Linear Thru Zero	ug/L	ug/L	50
In	114.904	Linear Thru Zero	ug/L	ug/L	
207.972	207.977	Linear Thru Zero	ug/L	ug/L	100
Pb	206.976	Linear Thru Zero	ug/L	ug/L	100
Pb	205.975	Linear Thru Zero	ug/L	ug/L	100
Tm	168.934	Linear Thru Zero	ug/L	ug/L	
Pd	105.903	Linear Thru Zero	ug/L	ug/L	100

**STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS, M01 - Methods 6020, 200.8**

**AIR TOX STANDARDS - 4 % HNO<sub>3</sub>, 0.5 % HCl**

**Standards for run:**

Tuning standard: 2532-67B

Internal standard: 2830-2C

Blank, CCBs: 2531-26A

Standard 1, CCVs: 2830-3C

ICV: 2532-63D

ICSA: 2830-3A

ICSAB: 2830-3D

File Number: 060717B1

## Instrument Tuning Report - Elan 6000

File Name: default.tun

### Sample Information

Sample Date/Time: Monday, July 17, 2006 12:24:24

Sample ID: TUNE BJONES

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	6.976	1556	0.758	2035	
Be	9.012	9.029	2064	0.744	2024	
Co	58.933	58.978	14290	0.755	1896	
In	114.904	114.879	27948	0.740	1863	
Ce	139.905	139.879	34026	0.732	1908	
Tl	204.975	204.979	49739	0.719	2132	
Pb	207.977	207.979	50476	0.720	2150	
U	238.050	238.076	57686	0.714	2313	

## Elan 6000 Instrument Optomization Report

File Name c:\elandata\Optimize\default.dac

Path c:\elandata\Optimize

### Sample Information

Sample Date/Time: Monday, July 17, 2006 12:24:24

Sample ID: TUNE BJONES

### Parameter Settings

Nebulizer Gas Flow	0.9
Lens Voltage	6.5
ICP RF Power	1100.0
Analog Stage Voltage	-2000.0
Pulse Stage Voltage	1400.0
Discriminator Threshold	70.0
AC Rod Offset	-7.0
Service DAC 1	60.0
Quadrupole Rod Offset	0.0

### AutoLens Calibration

Date: 12:26:50 Mon 17-Jul-06

Sample Filename: AUTOLENS BJONES.002

Dataset Pathname: 060717A1\

Lens Voltage Start:	4.50 V
Lens Voltage End:	8.50 V
Lens Voltage Step:	0.25 V
Slope:	0.0165
Intercept:	6.1632

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	6.3 V	5020 cps	17
Co	58.933	7.3 V	186772 cps	17
In	114.904	8.0 V	358619 cps	17

### Dual Detector Calibration

Date: 16:40:06 Sat 01-Jul-06

Sample Filename: DUAL BJONES.756

Dataset Pathname: c:\elandata\Dataset\dual detector calibration\

Points Acquired:	37
Lens Voltage Start:	-3.00 V
Lens Voltage End:	15.00 V
Lens Voltage Step:	0.50 V

Analyte	Mass	Gain	N(max)
Li	6.013	6622	1.89e+009 cps
Li	7.016	6011	2.08e+009 cps
Be	9.011	5753	2.18e+009 cps
B	11.010	5957	2.10e+009 cps
Na	22.991	6030	2.08e+009 cps

Report Date/Time: Monday, July 17, 2006 13:43:21

STL SACRAMENTO - Elan 6000 ICPMS, M01 - Methods 6020, 200.8

Mg	23.987	5609 2.23e+009 cps
Mg	24.987	5239 2.39e+009 cps
Al	26.983	5294 2.36e+009 cps
P	30.996	4828 2.59e+009 cps
K	38.964	4742 2.64e+009 cps
Ca	42.960	cps
Ca	43.956	4694 2.67e+009 cps
Sc	44.956	4740 2.64e+009 cps
V	50.944	4676 2.68e+009 cps
Cr	51.940	4456 2.81e+009 cps
Fe	53.940	4410 2.84e+009 cps
Mn	54.936	4441 2.82e+009 cps
Fe	56.937	4236 2.96e+009 cps
Co	58.934	4249 2.95e+009 cps
Ni	59.933	4105 3.05e+009 cps
Cu	62.930	3979 3.15e+009 cps
Cu	64.928	3997 3.13e+009 cps
Zn	67.925	4017 3.12e+009 cps
Ge	71.921	4087 3.06e+009 cps
As	74.922	cps
Se	77.919	4165 3.01e+009 cps
Br	78.918	cps
Se	81.919	3973 3.15e+009 cps
Sr	87.904	4079 3.07e+009 cps
Mo	96.907	4076 3.07e+009 cps
Ag	106.905	3477 3.60e+009 cps
Ag	108.903	3565 3.51e+009 cps
Cd	110.905	3765 3.32e+009 cps
Cd	113.902	3825 3.27e+009 cps
In	114.904	3802 3.29e+009 cps
Sn	117.902	3827 3.27e+009 cps
Sb	120.904	3749 3.34e+009 cps
Ba	134.908	3706 3.38e+009 cps
Tm	168.933	3655 3.42e+009 cps
Tl	204.975	3492 3.59e+009 cps
Pb	207.975	3469 3.61e+009 cps
Bi	208.979	3451 3.63e+009 cps
U	238.050	3444 3.63e+009 cps

## Daily Performance Report - Elan 6000

Sample ID: DAILY BJONES

Sample Date/Time: Monday, July 17, 2006 12:29:18

Sample Description:

Sample File: C:\elandata\Sample\6186096R.sam

Method File: C:\elandata\Method\000-DAILY\_EPA.mth

Dataset File: C:\elandata\Dataset\060717A1\DJLY BJONES.003

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Number of Replicates: 5

Dual Detector Mode: Dual

### Summary

Analyte	Mass	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
Mg	24	55819.797	614.919	1.102
Rh	103	248670.647	1751.685	0.704
Pb	208	148774.770	1583.060	1.064
[> Ba	138	249131.450	3247.354	1.303
[< Ba++	69	0.026	0.001	3.296
[> Ce	140	314078.223	5104.706	1.625
[< CeO	156	0.030	0.001	2.742
Bkgd	220	7.143	3.350	46.904
Li	7	15748.487	201.291	1.278
Be	9	5033.013	85.639	1.702
Co	59	156383.915	1188.091	0.760
In	115	333177.782	5333.449	1.601
Tl	205	215626.782	1009.020	0.468

Sample ID: H8A94 n.i.

Sample Description: G6F270335-1 N.I.

Batch ID: 6193191

Sample Date/Time: Monday, July 17, 2006 17:10:26

Method File: C:\elandata\Method\000-LISCGEIN....mth

Dataset File: C:\elandata\Dataset\060717B1\H8A94 n.i..001

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 27

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

## Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			667.637	ug/L	0.000
45 Sc			15704.626	ug/L	0.000
69 Ga			26130.619	ug/L	0.000
72 Ge			6951.933	ug/L	0.000
89 Y			12721.709	ug/L	0.000
103 Rh			222.859	ug/L	0.000
115 In			1277.554	ug/L	0.000
133 Cs			17975.296	ug/L	0.000
165 Ho			461.913	ug/L	0.000
169 Tm			912.414	ug/L	0.000
209 Bi			36934.009	ug/L	0.000

## Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	93.414
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	103.634
Cs	133	
Ho	165	101.459
Tm	169	
Bi	209	

Sample ID: H8L2H n.i.

Sample Description: G6G010204-3 N.I.

Batch ID: 6193191

Sample Date/Time: Monday, July 17, 2006 17:13:12

Method File: C:\elandata\Method\000-LISCGEIN...mth

Dataset File: C:\elandata\Dataset\060717B1\H8L2H n.i..002

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 31

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

## Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			653.350	ug/L	0.000
45 Sc			13758.997	ug/L	0.000
69 Ga			14873.607	ug/L	0.000
72 Ge			4225.476	ug/L	0.000
89 Y			10577.331	ug/L	0.000
103 Rh			298.099	ug/L	0.000
115 In			1048.835	ug/L	0.000
133 Cs			7912.981	ug/L	0.000
165 Ho			324.290	ug/L	0.000
169 Tm			664.780	ug/L	0.000
209 Bi			6908.099	ug/L	0.000

## Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	93.414
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	103.634
Cs	133	
Ho	165	101.459
Tm	169	
Bi	209	

Sample ID: H8T13 n.i.

Sample Description: G6G070251-4 N.I.

Batch ID: 6193191

Sample Date/Time: Monday, July 17, 2006 17:16:00

Method File: C:\elandata\Method\000-LISCGEIN....mth

Dataset File: C:\elandata\Dataset\060717B1\H8T13 n.i..003

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 34

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

## Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			630.968	ug/L	0.000
45 Sc			11531.508	ug/L	0.000
69 Ga			11250.775	ug/L	0.000
72 Ge			3630.051	ug/L	0.000
89 Y			5854.228	ug/L	0.000
103 Rh			201.906	ug/L	0.000
115 In			694.647	ug/L	0.000
133 Cs			9211.012	ug/L	0.000
165 Ho			215.240	ug/L	0.000
169 Tm			473.819	ug/L	0.000
209 Bi			20816.371	ug/L	0.000

## Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	93.414
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	103.634
Cs	133	
Ho	165	101.459
Tm	169	
Bi	209	

Sample ID: H8GKJ n.i.

Sample Description: G6F290300-1 N.I.

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 17:18:47

Method File: C:\elandata\Method\000-LISCGEIN...mth

Dataset File: C:\elandata\Dataset\060717B1\H8GKJ n.i..004

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 46

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			704.306	ug/L	0.000
45 Sc			18086.409	ug/L	0.000
69 Ga			8016.379	ug/L	0.000
72 Ge			1642.489	ug/L	0.000
89 Y			11169.750	ug/L	0.000
103 Rh			218.097	ug/L	0.000
115 In			746.082	ug/L	0.000
133 Cs			7268.303	ug/L	0.000
165 Ho			451.913	ug/L	0.000
169 Tm			607.634	ug/L	0.000
209 Bi			1367.694	ug/L	0.000

### Internal Standard Recoveries

Analyte	Mass	In% Std % Recovery
Li	6	93.414
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	103.634
Cs	133	
Ho	165	101.459
Tm	169	
Bi	209	

Sample ID: H8QTL n.i.

Sample Description: G6G060239-1 N.I.

Batch ID: 6194461

Sample Date/Time: Monday, July 17, 2006 17:21:32

Method File: C:\elandata\Method\000-LISCGEIN....mth

Dataset File: C:\elandata\Dataset\060717B1\H8QTL n.i..005

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 64

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

## Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			710.973	ug/L	0.000
45 Sc			13211.270	ug/L	0.000
69 Ga			5112.951	ug/L	0.000
72 Ge			1280.066	ug/L	0.000
89 Y			5785.149	ug/L	0.000
103 Rh			40.000	ug/L	0.000
115 In			1091.559	ug/L	0.000
133 Cs			3870.599	ug/L	0.000
165 Ho			235.240	ug/L	0.000
169 Tm			496.200	ug/L	0.000
209 Bi			1106.716	ug/L	0.000

## Internal Standard Recoveries

Analyte	Mass	Int. Std % Recovery
Li	6	93.414
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	103.634
Cs	133	
Ho	165	101.459
Tm	169	
Bi	209	

BJones

**Sample ID: Rinse 3X**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 17:26:29

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\Rinse 3X.006

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1025054.098	ug/L	1035979.525
6 Li-1			509676.876	ug/L	517895.891
9 Be	0.004868	90.900	2.333	ug/L	0.667
27 Al	-0.060569	37.096	16246.068	ug/L	16546.635
44 Ca	0.882056	67.769	17211.912	ug/L	16941.051
51 V	0.295973	82.458	-37278.143	ug/L	-40229.573
52 Cr	-0.080802	26.927	27793.406	ug/L	28466.564
55 Mn	0.001358	231.850	1755.176	ug/L	1731.838
54 Fe	-2.970718	23.589	98675.263	ug/L	100632.136
57 Fe	0.423395	254.013	16876.770	ug/L	16706.412
59 Co	-0.000365	250.989	66.334	ug/L	70.334
60 Ni	-0.010701	49.925	70.585	ug/L	96.227
65 Cu	-0.003300	158.150	111.065	ug/L	118.329
68 Zn	0.393799	100.728	2936.164	ug/L	2597.056
75 As	-0.045241	684.851	13250.242	ug/L	13310.662
82 Se	0.069279	504.296	1330.582	ug/L	1314.299
97 Mo	0.003503	93.744	21.667	ug/L	15.667
72 Ge-1			808327.103	ug/L	806434.181
107 Ag	0.000481	69.136	28.000	ug/L	24.000
111 Cd	0.004094	13.068	16.471	ug/L	9.169
121 Sb	-0.001217	98.046	45.667	ug/L	52.333
135 Ba	-0.004427	24.470	128.001	ug/L	134.334
115 In-1			780835.377	ug/L	779344.025
205 Tl	-0.000364	33.007	39.667	ug/L	44.333
208 Pb	0.002122	133.278	488.005	ug/L	445.338
169 Tm-1			491293.713	ug/L	486382.024
50 Cr	0.119061	115.457	-826.130	ug/L	-846.502
53 Cr	-3.696926	39.211	142175.801	ug/L	144961.310
61 Ni	0.367112	265.469	1819.530	ug/L	1800.519
63 Cu	-0.010198	54.149	59.667	ug/L	77.668
67 Zn	1.517168	39.205	1978.626	ug/L	1863.889
66 Zn	0.359396	135.004	1290.271	ug/L	1133.878
76 Se	2.292110	781.879	-104837.949	ug/L	-104694.433
77 Se	-2.723786	47.102	12926.682	ug/L	13238.006
78 Se	-0.306180	132.045	15729.419	ug/L	15837.476

79 Br	15.884867	356.550	35953.322	ug/L	35557.190
72 Ge			808327.103	ug/L	806434.181
108 Cd	0.003465	367.642	5.148	ug/L	4.692
114 Cd	0.001013	855.231	10.105	ug/L	5.763
109 Ag	0.000363	796.254	8.667	ug/L	7.667
115 In			780835.377	ug/L	779344.025
208 207.977	0.004257	51.790	264.337	ug/L	223.336
207 Pb	-0.002839	119.160	93.334	ug/L	103.001
206 Pb	0.001990	183.238	130.334	ug/L	119.001
169 Tm			491293.713	ug/L	486382.024
106 Pd	0.024074	95.779	8.333	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	98.413
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	100.235
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.191
Tl	205	
Pb	208	
Tm-1	169	101.010
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	100.235
Cd	108	
Cd	114	
Ag	109	
In	115	100.191
207.977	208	
Pb	207	
Pb	206	
Tm	169	101.010
Pd	106	

**Sample ID:** Blank

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 17:31:05

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\Blank.007

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc				1035979.525	ug/L	
6 Li-1				517895.891	ug/L	
9 Be				0.667	ug/L	
27 Al				16546.635	ug/L	
44 Ca				16941.051	ug/L	
51 V				-40229.573	ug/L	
52 Cr				28466.564	ug/L	
55 Mn				1731.838	ug/L	
54 Fe				100632.136	ug/L	
57 Fe				16706.412	ug/L	
59 Co				70.334	ug/L	
60 Ni				96.227	ug/L	
65 Cu				118.329	ug/L	
68 Zn				2597.056	ug/L	
75 As				13310.662	ug/L	
82 Se				1314.299	ug/L	
97 Mo				15.667	ug/L	
72 Ge-1				806434.181	ug/L	
107 Ag				24.000	ug/L	
111 Cd				9.169	ug/L	
121 Sb				52.333	ug/L	
135 Ba				134.334	ug/L	
115 In-1				779344.025	ug/L	
205 Tl				44.333	ug/L	
208 Pb				445.338	ug/L	
169 Tm-1				486382.024	ug/L	
50 Cr				-846.502	ug/L	
53 Cr				144961.310	ug/L	
61 Ni				1800.519	ug/L	
63 Cu				77.668	ug/L	
67 Zn				1863.889	ug/L	
66 Zn				1133.878	ug/L	
76 Se				-104694.433	ug/L	
77 Se				13238.006	ug/L	
78 Se				15837.476	ug/L	

79 Br	35557.190	ug/L
72 Ge	806434.181	ug/L
108 Cd	4.692	ug/L
114 Cd	5.763	ug/L
109 Ag	7.667	ug/L
115 In	779344.025	ug/L
208 207.977	223.336	ug/L
207 Pb	103.001	ug/L
206 Pb	119.001	ug/L
169 Tm	486382.024	ug/L
106 Pd	4.667	ug/L

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45
Li-1	6
Be	9
Al	27
Ca	44
V	51
Cr	52
Mn	55
Fe	54
Fe	57
Co	59
Ni	60
Cu	65
Zn	68
As	75
Se	82
Mo	97
Ge-1	72
Ag	107
Cd	111
Sb	121
Ba	135
In-1	115
Tl	205
Pb	208
Tm-1	169
Cr	50
Cr	53
Ni	61
Cu	63
Zn	67
Zn	66
Se	76
Se	77
Se	78
Br	79
Ge	72
Cd	108
Cd	114
Ag	109
In	115
207.977	208
Pb	207
Pb	206
Tm	169
Pd	106

**Sample ID: Standard 1**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 17:35:37

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\Standard 1.008

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1010775.528	ug/L	1035979.525
6 Li-1			508969.311	ug/L	517895.891
9 Be	100.000000	1.153	34415.885	ug/L	0.667
27 Al	5100.000000	0.538	27853210.980	ug/L	16546.635
44 Ca	5100.000000	0.305	1321813.405	ug/L	16941.051
51 V	100.000000	0.924	965163.337	ug/L	-40229.573
52 Cr	100.000000	0.064	920223.879	ug/L	28466.564
55 Mn	100.000000	1.789	1398009.315	ug/L	1731.838
54 Fe	5100.000000	0.230	3767997.147	ug/L	100632.136
57 Fe	5100.000000	0.724	1571582.483	ug/L	16706.412
59 Co	100.000000	0.489	1106520.250	ug/L	70.334
60 Ni	100.000000	0.372	236117.235	ug/L	96.227
65 Cu	100.000000	0.512	224346.598	ug/L	118.329
68 Zn	100.000000	1.472	84691.643	ug/L	2597.056
75 As	100.000000	0.334	206672.030	ug/L	13310.662
82 Se	100.000000	1.204	20229.806	ug/L	1314.299
97 Mo	200.000000	0.958	332697.576	ug/L	15.667
72 Ge-1			788087.965	ug/L	806434.181
107 Ag	50.000000	1.323	396058.244	ug/L	24.000
111 Cd	100.000000	1.536	170996.669	ug/L	9.169
121 Sb	50.000000	0.722	268932.237	ug/L	52.333
135 Ba	100.000000	1.688	143144.039	ug/L	134.334
115 In-1			751122.756	ug/L	779344.025
205 Tl	50.000000	1.565	690766.327	ug/L	44.333
208 Pb	100.000000	0.947	1767741.730	ug/L	445.338
169 Tm-1			483665.466	ug/L	486382.024
50 Cr	100.000000	5.323	17513.471	ug/L	-846.502
53 Cr	100.000000	6.061	224011.807	ug/L	144961.310
61 Ni	100.000000	2.180	5722.903	ug/L	1800.519
63 Cu	100.000000	1.020	173661.003	ug/L	77.668
67 Zn	100.000000	1.563	8920.048	ug/L	1863.889
66 Zn	100.000000	1.254	42630.859	ug/L	1133.878
76 Se	100.000000	17.186	-97820.350	ug/L	-104694.433
77 Se	100.000000	2.738	25213.408	ug/L	13238.006
78 Se	100.000000	0.261	61609.682	ug/L	15837.476

79 Br	100.000000	47.589	36693.139	ug/L	35557.190
72 Ge			788087.965	ug/L	806434.181
108 Cd	100.000000	2.272	12228.737	ug/L	4.692
114 Cd	100.000000	1.223	402745.472	ug/L	5.763
109 Ag	50.000000	0.729	137845.737	ug/L	7.667
115 In			751122.756	ug/L	779344.025
208 207.977	100.000000	1.051	895374.403	ug/L	223.336
207 Pb	100.000000	1.729	372142.426	ug/L	103.001
206 Pb	100.000000	0.835	500224.901	ug/L	119.001
169 Tm			483665.466	ug/L	486382.024
106 Pd	100.000000	1.446	15235.588	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45
Li-1	6
Be	9
Al	27
Ca	44
V	51
Cr	52
Mn	55
Fe	54
Fe	57
Co	59
Ni	60
Cu	65
Zn	68
As	75
Se	82
Mo	97
Ge-1	72
Ag	107
Cd	111
Sb	121
Ba	135
In-1	115
Tl	205
Pb	208
Tm-1	169
Cr	50
Cr	53
Ni	61
Cu	63
Zn	67
Zn	66
Se	76
Se	77
Se	78
Br	79
Ge	72
Cd	108
Cd	114
Ag	109
In	115
207.977	208
Pb	207
Pb	206
Tm	169
Pd	106

SOP No. SAC-MT-0001

BJones

**Sample ID: ICV**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 17:39:51

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\ICV .009

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 3

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1019945.732	ug/L	1035979.525
6 Li-1			521082.832	ug/L	517895.891
9 Be	81.060127	0.812	28561.544	ug/L	0.667
27 Al	816.968026	0.447	4537210.099	ug/L	16546.635
44 Ca	882.648081	0.971	245802.574	ug/L	16941.051
51 V	80.443130	0.515	779344.642	ug/L	-40229.573
52 Cr	81.178834	0.669	762639.524	ug/L	28466.564
55 Mn	80.663132	1.503	1143462.008	ug/L	1731.838
54 Fe	819.832800	0.890	697739.252	ug/L	100632.136
57 Fe	811.172550	1.227	267334.674	ug/L	16706.412
59 Co	82.088241	1.156	920825.784	ug/L	70.334
60 Ni	82.910935	1.275	198476.339	ug/L	96.227
65 Cu	82.992084	1.229	188773.304	ug/L	118.329
68 Zn	80.872395	1.785	69922.281	ug/L	2597.056
75 As	79.143772	0.606	168577.206	ug/L	13310.662
82 Se	80.912171	1.481	16843.054	ug/L	1314.299
97 Mo	80.506536	1.370	135773.636	ug/L	15.667
72 Ge-1			798987.650	ug/L	806434.181
107 Ag	40.714910	1.184	330403.659	ug/L	24.000
111 Cd	80.392862	0.565	140838.872	ug/L	9.169
121 Sb	39.751880	0.252	219051.739	ug/L	52.333
135 Ba	79.389374	1.535	116456.249	ug/L	134.334
115 In-1			769463.610	ug/L	779344.025
205 Tl	39.862452	1.816	567043.464	ug/L	44.333
208 Pb	82.132879	0.352	1495064.728	ug/L	445.338
169 Tm-1			498015.533	ug/L	486382.024
50 Cr	75.029334	2.139	13111.693	ug/L	-846.502
53 Cr	77.550922	5.211	208340.267	ug/L	144961.310
61 Ni	77.687207	1.351	4905.180	ug/L	1800.519
63 Cu	82.578375	0.848	145393.389	ug/L	77.668
67 Zn	80.120060	3.267	7611.594	ug/L	1863.889
66 Zn	80.098949	0.948	34839.800	ug/L	1133.878
76 Se	83.806766	5.855	-99911.468	ug/L	-104694.433
77 Se	77.688581	3.078	22783.412	ug/L	13238.006
78 Se	78.787007	1.645	52538.107	ug/L	15837.476

79 Br	394.454241	3.328	42997.160	ug/L	35557.190
72 Ge			798987.650	ug/L	806434.181
108 Cd	75.589986	1.031	9471.450	ug/L	4.692
114 Cd	80.997788	0.375	334203.528	ug/L	5.763
109 Ag	40.757308	3.190	115102.702	ug/L	7.667
115 In			769463.610	ug/L	779344.025
208 207.977	82.929290	0.998	764600.596	ug/L	223.336
207 Pb	80.411061	0.946	308135.456	ug/L	103.001
206 Pb	81.988234	1.248	422328.675	ug/L	119.001
169 Tm			498015.533	ug/L	486382.024
106 Pd	81.587262	1.011	12431.158	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.615
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	99.077
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	98.732
Tl	205	
Pb	208	
Tm-1	169	102.392
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	99.077
Cd	108	
Cd	114	
Ag	109	
In	115	98.732
207.977	208	
Pb	207	
Pb	206	
Tm	169	102.392
Pd	106	

BJones

**Sample ID: ICB**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 17:44:11

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\ICB.010

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1040689.294	ug/L	1035979.525
6 Li-1			520379.486	ug/L	517895.891
9 Be	0.004730	138.887	2.333	ug/L	0.667
27 Al	-0.017997	60.659	16613.425	ug/L	16546.635
44 Ca	-2.257100	21.413	16515.238	ug/L	16941.051
51 V	0.960890	6.217	-30664.082	ug/L	-40229.573
52 Cr	0.328822	9.364	31788.646	ug/L	28466.564
55 Mn	0.004190	104.647	1809.521	ug/L	1731.838
54 Fe	-0.086237	591.068	101587.098	ug/L	100632.136
57 Fe	4.070480	26.453	18156.877	ug/L	16706.412
59 Co	0.001602	32.179	89.334	ug/L	70.334
60 Ni	0.000261	629.888	97.866	ug/L	96.227
65 Cu	0.009481	37.154	141.502	ug/L	118.329
68 Zn	-0.409100	33.425	2275.296	ug/L	2597.056
75 As	0.087012	100.498	13618.853	ug/L	13310.662
82 Se	-0.104581	99.849	1307.111	ug/L	1314.299
97 Mo	0.233643	17.048	417.343	ug/L	15.667
72 Ge-1			814618.651	ug/L	806434.181
107 Ag	0.006814	18.413	80.667	ug/L	24.000
111 Cd	0.001852	26.324	12.551	ug/L	9.169
121 Sb	0.017628	14.970	152.001	ug/L	52.333
135 Ba	0.004329	210.746	142.001	ug/L	134.334
115 In-1			785692.513	ug/L	779344.025
205 Tl	0.166670	24.249	2443.354	ug/L	44.333
208 Pb	0.001813	80.794	494.672	ug/L	445.338
169 Tm-1			504123.561	ug/L	486382.024
50 Cr	0.491550	49.264	-761.631	ug/L	-846.502
53 Cr	-24.743049	5.801	125367.412	ug/L	144961.310
61 Ni	-1.575212	120.626	1753.826	ug/L	1800.519
63 Cu	-0.003020	123.633	73.001	ug/L	77.668
67 Zn	-0.025736	3664.786	1830.566	ug/L	1863.889
66 Zn	-0.430188	37.202	960.481	ug/L	1133.878
76 Se	10.351839	141.783	-105280.481	ug/L	-104694.433
77 Se	-12.494657	6.318	11786.555	ug/L	13238.006
78 Se	-0.382557	159.205	15814.179	ug/L	15837.476

79 Br	22.905326	270.274	36372.872	ug/L	35557.190
72 Ge			814618.651	ug/L	806434.181
108 Cd	-0.021163	137.221	2.050	ug/L	4.692
114 Cd	0.004328	71.679	24.113	ug/L	5.763
109 Ag	0.009568	7.950	35.334	ug/L	7.667
115 In			785692.513	ug/L	779344.025
208 207.977	0.002087	129.862	250.670	ug/L	223.336
207 Pb	0.001883	113.624	114.001	ug/L	103.001
206 Pb	0.001269	58.213	130.001	ug/L	119.001
169 Tm			504123.561	ug/L	486382.024
106 Pd	0.00C2004876322.525		4.667	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.480
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	101.015
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.815
Tl	205	
Pb	208	
Tm-1	169	103.648
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	101.015
Cd	108	
Cd	114	
Ag	109	
In	115	100.815
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.648
Pd	106	

**Sample ID: ICSA**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 17:48:30

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\ICSA.011

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Allquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			869993.108	ug/L	1035979.525
6 Li-1			416611.391	ug/L	517895.891
9 Be	0.041925	14.262	12.333	ug/L	0.667
27 Al	95955.325012	0.439	459518425.754	ug/L	16546.635
44 Ca	95462.403897	0.548	21448894.164	ug/L	16941.051
51 V	1.251807	14.368	-23460.142	ug/L	-40229.573
52 Cr	1.743297	2.945	38055.587	ug/L	28466.564
55 Mn	2.592096	9.925	33224.284	ug/L	1731.838
54 Fe	89078.957866	1.860	56314657.640	ug/L	100632.136
57 Fe	90068.764074	1.959	24110106.590	ug/L	16706.412
59 Co	1.654070	1.977	16115.161	ug/L	70.334
60 Ni	3.337198	15.757	6989.131	ug/L	96.227
65 Cu	1.063666	16.773	2192.665	ug/L	118.329
68 Zn	5.069380	23.360	5876.998	ug/L	2597.056
75 As	0.232254	74.715	11805.473	ug/L	13310.662
82 Se	0.990513	23.027	1291.554	ug/L	1314.299
97 Mo	1960.591996	0.833	2861226.171	ug/L	15.667
72 Ge-1			691408.302	ug/L	806434.181
107 Ag	0.262852	4.089	1898.206	ug/L	24.000
111 Cd	0.736215	21.750	1142.726	ug/L	9.169
121 Sb	2.132646	1.719	10387.830	ug/L	52.333
135 Ba	0.851820	7.371	1214.751	ug/L	134.334
115 In-1			677407.106	ug/L	779344.025
205 Tl	0.095852	3.156	1176.746	ug/L	44.333
208 Pb	1.101292	5.633	17118.475	ug/L	445.338
169 Tm-1			416021.166	ug/L	486382.024
50 Cr	160.598498	8.200	25108.777	ug/L	-846.502
53 Cr	-37.234755	7.139	97379.605	ug/L	144961.310
61 Ni	31.778110	3.191	2648.789	ug/L	1800.519
63 Cu	5.714667	2.041	8768.620	ug/L	77.668
67 Zn	26.118705	4.142	3224.329	ug/L	1863.889
66 Zn	10.605281	10.321	4833.750	ug/L	1133.878
76 Se	-114.011183	5.366	-94254.065	ug/L	-104694.433
77 Se	12.333078	11.667	12677.426	ug/L	13238.006
78 Se	1.177318	12.349	14054.745	ug/L	15837.476

79 Br	183966.969432	0.566	3165971.204	ug/L	35557.190
72 Ge			691408.302	ug/L	806434.181
108 Cd	77.421001	1.078	8540.557	ug/L	4.692
114 Cd	4.682280	0.882	17011.953	ug/L	5.763
109 Ag	0.225506	10.718	566.718	ug/L	7.667
115 In			677407.106	ug/L	779344.025
208 207.977	1.128934	5.905	8881.513	ug/L	223.336
207 Pb	1.125984	6.442	3690.446	ug/L	103.001
206 Pb	1.033447	4.611	4546.515	ug/L	119.001
169 Tm			416021.166	ug/L	486382.024
106 Pd	0.619358	10.223	99.001	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	80.443
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	85.736
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	86.920
Tl	205	
Pb	208	
Tm-1	169	85.534
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	85.736
Cd	108	
Cd	114	
Ag	109	
In	115	86.920
207.977	208	
Pb	207	
Pb	206	
Tm	169	85.534
Pd	106	

BJones

**Sample ID:** ICSAB

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 17:52:48

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\ICSAB.012

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 1

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			884013.833	ug/L	1035979.525
6 Li-1			411026.963	ug/L	517895.891
9 Be	98.257005	1.473	27307.546	ug/L	0.667
27 Al	94312.090901	0.170	452613981.286	ug/L	16546.635
44 Ca	95386.903043	0.972	21477988.527	ug/L	16941.051
51 V	96.823472	1.326	820546.302	ug/L	-40229.573
52 Cr	95.403772	0.828	773000.439	ug/L	28466.564
55 Mn	96.638335	0.649	1187816.924	ug/L	1731.838
54 Fe	87536.859220	0.728	55463877.254	ug/L	100632.136
57 Fe	88548.636760	1.135	23756204.699	ug/L	16706.412
59 Co	98.178390	0.720	955121.995	ug/L	70.334
60 Ni	96.202010	0.925	199711.996	ug/L	96.227
65 Cu	94.402467	0.389	186210.593	ug/L	118.329
68 Zn	93.366514	0.331	69667.921	ug/L	2597.056
75 As	99.377733	0.388	180647.074	ug/L	13310.662
82 Se	106.016022	1.259	18788.728	ug/L	1314.299
97 Mo	2077.800032	0.548	3038769.375	ug/L	15.667
72 Ge-1			692890.806	ug/L	806434.181
107 Ag	44.865589	0.437	330221.888	ug/L	24.000
111 Cd	96.183707	0.630	152826.222	ug/L	9.169
121 Sb	52.279249	0.478	261271.026	ug/L	52.333
135 Ba	98.323862	0.770	130791.964	ug/L	134.334
115 In-1			697883.147	ug/L	779344.025
205 Tl	46.768248	1.127	572098.071	ug/L	44.333
208 Pb	94.423065	1.346	1477886.475	ug/L	445.338
169 Tm-1			428238.061	ug/L	486382.024
50 Cr	229.117729	6.050	36220.965	ug/L	-846.502
53 Cr	86.067885	3.455	186855.556	ug/L	144961.310
61 Ni	125.237321	0.689	5910.918	ug/L	1800.519
63 Cu	97.926746	0.440	149517.013	ug/L	77.668
67 Zn	118.914170	0.974	9023.009	ug/L	1863.889
66 Zn	101.101775	0.176	37882.568	ug/L	1133.878
76 Se	-33.560836	17.047	-91279.234	ug/L	-104694.433
77 Se	129.415623	2.029	25342.333	ug/L	13238.006
78 Se	103.527395	0.827	55597.758	ug/L	15837.476

79 Br	1947.885663	19.460	63824.986	ug/L	35557.190
72 Ge			692890.806	ug/L	806434.181
108 Cd	166.850434	0.897	18957.361	ug/L	4.692
114 Cd	100.471114	0.457	375991.038	ug/L	5.763
109 Ag	44.970277	0.298	115201.010	ug/L	7.667
115 In			697883.147	ug/L	779344.025
208 207.977	94.692098	0.881	750705.005	ug/L	223.336
207 Pb	94.126126	1.736	310142.335	ug/L	103.001
206 Pb	94.162409	2.129	417039.134	ug/L	119.001
169 Tm			428238.061	ug/L	486382.024
106 Pd	87.577331	1.280	13343.501	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	79.365
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	85.920
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	89.548
Tl	205	
Pb	208	
Tm-1	169	88.046
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	85.920
Cd	108	
Cd	114	
Ag	109	
In	115	89.548
207.977	208	
Pb	207	
Pb	206	
Tm	169	88.046
Pd	106	

BJones

**Sample ID: CCV 1**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 18:16:47

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCV 1.016

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1080444.393	ug/L	1035979.525	
6 Li-1					523388.609	ug/L	517895.891	
9 Be	101.125327	0.737			35790.047	ug/L	0.667	
27 Al	4842.784645	1.012			28104977.014	ug/L	16546.635	
44 Ca	5033.543510	0.424			1386459.916	ug/L	16941.051	
51 V	98.880053	0.176			1013649.099	ug/L	-40229.573	
52 Cr	99.311217	0.641			971301.118	ug/L	28466.564	
55 Mn	95.947928	0.635			1425298.136	ug/L	1731.838	
54 Fe	4822.370944	0.391			3791605.036	ug/L	100632.136	
57 Fe	4895.511441	0.588			1603677.341	ug/L	16706.412	
59 Co	101.500532	0.590			1193379.318	ug/L	70.334	
60 Ni	102.466607	1.092			257083.397	ug/L	96.227	
65 Cu	103.906367	0.761			247704.727	ug/L	118.329	
68 Zn	99.480776	0.469			89534.754	ug/L	2597.056	
75 As	100.347705	0.344			220322.917	ug/L	13310.662	
82 Se	100.296444	1.279			21555.853	ug/L	1314.299	
97 Mo	198.213935	0.462			350367.201	ug/L	15.667	
72 Ge-1					837414.076	ug/L	806434.181	
107 Ag	49.598481	1.410			424865.297	ug/L	24.000	
111 Cd	100.110403	1.307			185125.134	ug/L	9.169	
121 Sb	49.715252	0.465			289162.710	ug/L	52.333	
135 Ba	98.760085	1.103			152895.397	ug/L	134.334	
115 In-1					812210.264	ug/L	779344.025	
205 Tl	50.227772	0.852			747461.538	ug/L	44.333	
208 Pb	101.440246	0.964			1931513.743	ug/L	445.338	
169 Tm-1					520981.716	ug/L	486382.024	
50 Cr	99.656222	1.088			18544.082	ug/L	-846.502	
53 Cr	83.850617	5.997			223902.575	ug/L	144961.310	
61 Ni	99.914902	0.743			6077.571	ug/L	1800.519	
63 Cu	102.458043	1.092			189067.772	ug/L	77.668	
67 Zn	97.869848	1.219			9317.538	ug/L	1863.889	
66 Zn	100.797713	1.022			45649.358	ug/L	1133.878	
76 Se	92.999295	8.946			-104278.694	ug/L	-104694.433	
77 Se	86.845069	3.057			25075.464	ug/L	13238.006	
78 Se	99.398547	1.247			65172.278	ug/L	15837.476	

79 Br	180.739828	27.681	40656.716	ug/L	35557.190
72 Ge			837414.076	ug/L	806434.181
108 Cd	98.927639	1.187	13083.640	ug/L	4.692
114 Cd	100.499854	0.428	437715.494	ug/L	5.763
109 Ag	49.270120	0.699	146890.423	ug/L	7.667
115 In			812210.264	ug/L	779344.025
208 207.977	101.848274	1.294	982263.784	ug/L	223.336
207 Pb	101.807450	0.821	408089.737	ug/L	103.001
206 Pb	100.436733	1.171	541160.222	ug/L	119.001
169 Tm			520981.716	ug/L	486382.024
106 Pd	108.081541	1.204	16466.481	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	101.061
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.842
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.217
Tl	205	
Pb	208	
Tm-1	169	107.114
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.842
Cd	108	
Cd	114	
Ag	109	
In	115	104.217
207.977	208	
Pb	207	
Pb	206	
Tm	169	107.114
Pd	106	

BJones

**Sample ID: CCB 1**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 18:21:08

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCB 1.017

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1100099.649	ug/L	1035979.525	
6 Li-1					536904.623	ug/L	517895.891	
9 Be	0.008188	18.611			3.667	ug/L	0.667	
27 Al	0.095317	144.688			18154.503	ug/L	16546.635	
44 Ca	-10.983202	10.337			14949.761	ug/L	16941.051	
51 V	1.101712	25.171			-30706.278	ug/L	-40229.573	
52 Cr	-0.204375	23.674			28275.280	ug/L	28466.564	
55 Mn	-0.007133	62.003			1732.505	ug/L	1731.838	
54 Fe	-2.955631	31.759			104663.668	ug/L	100632.136	
57 Fe	4.382208	29.201			19211.081	ug/L	16706.412	
59 Co	0.001433	45.149			92.000	ug/L	70.334	
60 Ni	0.000980	826.727			104.817	ug/L	96.227	
65 Cu	0.006068	72.592			140.516	ug/L	118.329	
68 Zn	-0.167708	146.275			2612.392	ug/L	2597.056	
75 As	0.110814	165.426			14381.101	ug/L	13310.662	
82 Se	0.209857	36.230			1440.595	ug/L	1314.299	
97 Mo	0.477693	31.905			880.380	ug/L	15.667	
72 Ge-1					857320.454	ug/L	806434.181	
107 Ag	0.009385	40.791			109.667	ug/L	24.000	
111 Cd	0.001290	300.258			12.420	ug/L	9.169	
121 Sb	0.027301	18.844			222.003	ug/L	52.333	
135 Ba	0.008218	167.908			159.001	ug/L	134.334	
115 In-1					845537.020	ug/L	779344.025	
205 Tl	0.121474	19.344			1893.876	ug/L	44.333	
208 Pb	0.000963	145.647			505.672	ug/L	445.338	
169 Tm-1					531936.318	ug/L	486382.024	
50 Cr	1.201353	2.643			-660.195	ug/L	-846.502	
53 Cr	-41.869838	5.958			116587.950	ug/L	144961.310	
61 Ni	0.909760	118.384			1953.611	ug/L	1800.519	
63 Cu	-0.003454	173.400			76.001	ug/L	77.668	
67 Zn	-1.401687	13.730			1873.228	ug/L	1863.889	
66 Zn	-0.215817	132.426			1108.532	ug/L	1133.878	
76 Se	-7.565276	447.839			-111679.341	ug/L	-104694.433	
77 Se	-27.132531	2.373			10449.700	ug/L	13238.006	
78 Se	-0.543639	78.097			16562.523	ug/L	15837.476	

79 Br	66.046147	61.183	39191.686	ug/L	35557.190
72 Ge			857320.454	ug/L	806434.181
108 Cd	-0.012654	154.660	3.347	ug/L	4.692
114 Cd	0.009231	38.155	48.132	ug/L	5.763
109 Ag	0.009567	14.980	38.000	ug/L	7.667
115 In			845537.020	ug/L	779344.025
208 207.977	0.002215	67.089	266.004	ug/L	223.336
207 Pb	-0.002424	159.714	102.667	ug/L	103.001
206 Pb	0.001243	70.354	137.001	ug/L	119.001
169 Tm			531936.318	ug/L	486382.024
106 Pd	0.019697	83.887	7.667	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	103.670
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	106.310
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	108.493
Tl	205	
Pb	208	
Tm-1	169	109.366
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	106.310
Cd	108	
Cd	114	
Ag	109	
In	115	108.493
207.977	208	
Pb	207	
Pb	206	
Tm	169	109.366
Pd	106	

**Sample ID: CCV 2**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 18:25:30

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCV 2.018

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1077382.553	ug/L	1035979.525
6 Li-1			529692.516	ug/L	517895.891
9 Be	100.352747	1.222	35944.012	ug/L	0.667
27 Al	4827.146151	0.728	27979890.725	ug/L	16546.635
44 Ca	5047.719457	0.411	1388625.176	ug/L	16941.051
51 V	99.768487	0.472	1021875.362	ug/L	-40229.573
52 Cr	99.592064	0.247	972761.006	ug/L	28466.564
55 Mn	96.321546	0.684	1429137.048	ug/L	1731.838
54 Fe	4836.703364	0.788	3797869.184	ug/L	100632.136
57 Fe	4895.929222	1.181	1601898.625	ug/L	16706.412
59 Co	100.846754	0.764	1184279.852	ug/L	70.334
60 Ni	101.751861	0.629	254979.228	ug/L	96.227
65 Cu	102.226818	1.182	243396.354	ug/L	118.329
68 Zn	98.016579	0.632	88150.142	ug/L	2597.056
75 As	99.544083	0.501	218403.015	ug/L	13310.662
82 Se	99.265365	1.254	21322.730	ug/L	1314.299
97 Mo	197.670730	0.626	348984.649	ug/L	15.667
72 Ge-1			836390.980	ug/L	806434.181
107 Ag	49.700111	0.449	422174.666	ug/L	24.000
111 Cd	99.506793	0.583	182470.344	ug/L	9.169
121 Sb	50.245932	0.276	289812.492	ug/L	52.333
135 Ba	98.779779	0.715	151647.213	ug/L	134.334
115 In-1			805450.318	ug/L	779344.025
205 Tl	51.044518	0.461	756436.644	ug/L	44.333
208 Pb	102.353256	1.911	1940604.385	ug/L	445.338
169 Tm-1			518813.791	ug/L	486382.024
50 Cr	105.701177	3.437	19698.748	ug/L	-846.502
53 Cr	83.072848	3.565	222939.326	ug/L	144961.310
61 Ni	100.539205	1.059	6096.274	ug/L	1800.519
63 Cu	102.589522	0.484	189071.435	ug/L	77.668
67 Zn	96.377068	2.121	9193.505	ug/L	1863.889
66 Zn	99.433422	0.493	44992.580	ug/L	1133.878
76 Se	105.017423	14.247	-103576.710	ug/L	-104694.433
77 Se	87.196535	2.766	25090.158	ug/L	13238.006
78 Se	99.065788	0.596	64928.073	ug/L	15837.476

79 Br	123.847985	31.866	39432.117	ug/L	35557.190
72 Ge			836390.980	ug/L	806434.181
108 Cd	98.547444	1.098	12923.765	ug/L	4.692
114 Cd	101.080725	0.798	436556.949	ug/L	5.763
109 Ag	49.734749	1.523	147027.291	ug/L	7.667
115 In			805450.318	ug/L	779344.025
208 207.977	102.881354	2.524	987962.737	ug/L	223.336
207 Pb	102.416244	1.672	408783.774	ug/L	103.001
206 Pb	101.361132	1.516	543857.874	ug/L	119.001
169 Tm			518813.791	ug/L	486382.024
106 Pd	105.654319	0.455	16096.793	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	102.278
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.715
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.350
Tl	205	
Pb	208	
Tm-1	169	106.668
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.715
Cd	108	
Cd	114	
Ag	109	
In	115	103.350
207.977	208	
Pb	207	
Pb	206	
Tm	169	106.668
Pd	106	

BJones

**Sample ID: CCB 2**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 18:29:51

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCB 2.019

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1090530.065	ug/L	1035979.525
6 Li-1			527821.888	ug/L	517895.891
9 Be	0.005605	105.820	2.667	ug/L	0.667
27 Al	0.288341	12.609	19209.737	ug/L	16546.635
44 Ca	-9.878521	9.613	15183.162	ug/L	16941.051
51 V	1.189121	14.471	-29642.378	ug/L	-40229.573
52 Cr	-0.141599	17.065	28745.140	ug/L	28466.564
55 Mn	-0.001940	129.225	1802.519	ug/L	1731.838
54 Fe	-2.741794	43.363	104318.805	ug/L	100632.136
57 Fe	4.812533	31.954	19260.709	ug/L	16706.412
59 Co	0.003148	42.785	112.001	ug/L	70.334
60 Ni	0.000712	560.964	103.609	ug/L	96.227
65 Cu	0.009393	25.911	147.999	ug/L	118.329
68 Zn	-0.602646	63.186	2213.285	ug/L	2597.056
75 As	0.423461	48.561	14966.851	ug/L	13310.662
82 Se	0.250136	143.022	1442.111	ug/L	1314.299
97 Mo	0.486982	34.449	891.382	ug/L	15.667
72 Ge-1			853122.872	ug/L	806434.181
107 Ag	0.012120	8.059	133.001	ug/L	24.000
111 Cd	0.000178	877.550	10.190	ug/L	9.169
121 Sb	0.030532	19.008	239.670	ug/L	52.333
135 Ba	-0.003508	34.451	139.001	ug/L	134.334
115 In-1			838918.858	ug/L	779344.025
205 Tl	0.140944	18.243	2196.949	ug/L	44.333
208 Pb	0.003436	28.462	555.340	ug/L	445.338
169 Tm-1			533489.917	ug/L	486382.024
50 Cr	1.131903	12.639	-670.662	ug/L	-846.502
53 Cr	-41.628261	4.784	116238.008	ug/L	144961.310
61 Ni	0.590664	101.518	1929.929	ug/L	1800.519
63 Cu	-0.004693	60.321	73.334	ug/L	77.668
67 Zn	-1.689573	50.716	1841.543	ug/L	1863.889
66 Zn	-0.564595	65.805	946.480	ug/L	1133.878
76 Se	13.924708	122.192	-110084.801	ug/L	-104694.433
77 Se	-27.861895	0.176	10301.911	ug/L	13238.006
78 Se	-0.032565	488.294	16737.766	ug/L	15837.476

79 Br	50.212571	107.458	38663.382	ug/L	35557.190
72 Ge			853122.872	ug/L	806434.181
108 Cd	0.021338	94.881	7.963	ug/L	4.692
114 Cd	0.008893	65.943	46.027	ug/L	5.763
109 Ag	0.012164	27.649	45.667	ug/L	7.667
115 In			838918.858	ug/L	779344.025
208 207.977	0.003756	54.192	282.005	ug/L	223.336
207 Pb	-0.000316	1408.261	111.667	ug/L	103.001
206 Pb	0.005655	28.585	161.668	ug/L	119.001
169 Tm			533489.917	ug/L	486382.024
106 Pd	-0.006566	115.470	3.667	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	101.917
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	105.790
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	107.644
Tl	205	
Pb	208	
Tm-1	169	109.685
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	105.790
Cd	108	
Cd	114	
Ag	109	
In	115	107.644
207.977	208	
Pb	207	
Pb	206	
Tm	169	109.685
Pd	106	

SOP No. SAC-MT-0001

BJones

**Sample ID: CCV 3**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 19:04:21

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCV 3.027

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1036227.513	ug/L	1035979.525
6 Li-1			518984.916	ug/L	517895.891
9 Be	99.303678	0.314	34850.599	ug/L	0.667
27 Al	4732.841014	0.561	26804716.990	ug/L	16546.635
44 Ca	5045.350685	0.359	1356147.700	ug/L	16941.051
51 V	99.855127	0.509	999334.800	ug/L	-40229.573
52 Cr	99.545294	0.698	950009.676	ug/L	28466.564
55 Mn	96.559672	0.755	1399792.019	ug/L	1731.838
54 Fe	4847.420255	0.696	3718715.742	ug/L	100632.136
57 Fe	4884.098580	0.431	1561400.436	ug/L	16706.412
59 Co	100.137690	0.545	1148967.786	ug/L	70.334
60 Ni	100.415237	0.486	245857.371	ug/L	96.227
65 Cu	101.122793	0.835	235248.828	ug/L	118.329
68 Zn	96.714559	1.012	85020.088	ug/L	2597.056
75 As	99.975202	0.502	214260.611	ug/L	13310.662
82 Se	98.176179	0.951	20619.756	ug/L	1314.299
97 Mo	195.602901	1.001	337414.090	ug/L	15.667
72 Ge-1			817207.496	ug/L	806434.181
107 Ag	49.502983	0.615	409210.186	ug/L	24.000
111 Cd	99.489920	0.957	177541.504	ug/L	9.169
121 Sb	50.464864	0.713	283257.583	ug/L	52.333
135 Ba	99.673834	0.516	148910.422	ug/L	134.334
115 In-1			783810.688	ug/L	779344.025
205 Tl	51.267303	0.790	762228.620	ug/L	44.333
208 Pb	103.566275	1.123	1970297.495	ug/L	445.338
169 Tm-1			520495.764	ug/L	486382.024
50 Cr	106.699558	1.547	19435.811	ug/L	-846.502
53 Cr	81.824630	2.766	216758.421	ug/L	144961.310
61 Ni	96.405842	2.815	5786.688	ug/L	1800.519
63 Cu	100.746717	0.468	181418.176	ug/L	77.668
67 Zn	96.972086	0.717	9026.685	ug/L	1863.889
66 Zn	97.213449	0.370	43005.229	ug/L	1133.878
76 Se	82.620665	33.054	-102246.721	ug/L	-104694.433
77 Se	82.206055	1.491	23879.120	ug/L	13238.006
78 Se	97.409795	1.144	62646.612	ug/L	15837.476

79 Br	85.234360	40.316	37749.596	ug/L	35557.190
72 Ge			817207.496	ug/L	806434.181
108 Cd	96.363720	1.434	12299.159	ug/L	4.692
114 Cd	100.381163	0.365	421911.122	ug/L	5.763
109 Ag	49.395253	0.714	142114.710	ug/L	7.667
115 In			783810.688	ug/L	779344.025
208 207.977	104.416059	1.882	1006193.754	ug/L	223.336
207 Pb	103.654058	0.948	415125.246	ug/L	103.001
206 Pb	101.979908	0.264	548978.495	ug/L	119.001
169 Tm			520495.764	ug/L	486382.024
106 Pd	103.295188	1.511	15737.475	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.210
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	101.336
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.573
Tl	205	
Pb	208	
Tm-1	169	107.014
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	101.336
Cd	108	
Cd	114	
Ag	109	
In	115	100.573
207.977	208	
Pb	207	
Pb	206	
Tm	169	107.014
Pd	106	

**Sample ID: CCB 3**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 19:08:41

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCB 3.028

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1070748.315	ug/L	1035979.525	
6 Li-1					522517.448	ug/L	517895.891	
9 Be	0.009462	61.119			4.000	ug/L	0.667	
27 Al	0.319818	5.573			19080.783	ug/L	16546.635	
44 Ca	-12.156725	4.243			14318.373	ug/L	16941.051	
51 V	1.231017	7.991			-28702.259	ug/L	-40229.573	
52 Cr	-0.031966	35.152			29324.057	ug/L	28466.564	
55 Mn	-0.001893	195.999			1774.180	ug/L	1731.838	
54 Fe	-0.851357	119.249			104084.538	ug/L	100632.136	
57 Fe	3.565177	32.855			18546.532	ug/L	16706.412	
59 Co	0.004458	29.433			125.668	ug/L	70.334	
60 Ni	0.001058	440.163			102.764	ug/L	96.227	
65 Cu	0.007272	77.701			140.462	ug/L	118.329	
68 Zn	-0.468998	12.519			2292.634	ug/L	2597.056	
75 As	0.133070	85.805			14127.030	ug/L	13310.662	
82 Se	0.053428	193.379			1378.618	ug/L	1314.299	
97 Mo	0.477223	29.610			860.711	ug/L	15.667	
72 Ge-1					839330.845	ug/L	806434.181	
107 Ag	0.016960	5.389			170.668	ug/L	24.000	
111 Cd	0.004437	102.873			17.814	ug/L	9.169	
121 Sb	0.110660	9.383			699.695	ug/L	52.333	
135 Ba	0.011851	80.754			158.668	ug/L	134.334	
115 In-1					813974.926	ug/L	779344.025	
205 Tl	0.116916	15.921			1798.188	ug/L	44.333	
208 Pb	0.006905	36.107			612.342	ug/L	445.338	
169 Tm-1					524238.694	ug/L	486382.024	
50 Cr	1.192532	10.022			-648.033	ug/L	-846.502	
53 Cr	-42.660843	4.757			113456.868	ug/L	144961.310	
61 Ni	-0.658803	44.814			1846.212	ug/L	1800.519	
63 Cu	0.004243	77.365			88.668	ug/L	77.668	
67 Zn	-0.931436	128.799			1869.226	ug/L	1863.889	
66 Zn	-0.523349	11.368			948.811	ug/L	1133.878	
76 Se	-8.651124	320.603			-109385.112	ug/L	-104694.433	
77 Se	-29.533518	2.586			9916.933	ug/L	13238.006	
78 Se	-1.295011	35.365			15847.191	ug/L	15837.476	

79 Br	-23.599948	156.941	36515.933	ug/L	35557.190
72 Ge			839330.845	ug/L	806434.181
108 Cd	-0.011934	149.899	3.322	ug/L	4.692
114 Cd	0.006889	38.530	36.072	ug/L	5.763
109 Ag	0.018405	15.439	63.001	ug/L	7.667
115 In			813974.926	ug/L	779344.025
208 207.977	0.008444	34.310	322.673	ug/L	223.336
207 Pb	0.003543	96.482	125.334	ug/L	103.001
206 Pb	0.006653	24.389	164.335	ug/L	119.001
169 Tm			524238.694	ug/L	486382.024
106 Pd	-0.008754	43.301	3.333	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.892
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.079
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.444
Tl	205	
Pb	208	
Tm-1	169	107.783
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.079
Cd	108	
Cd	114	
Ag	109	
In	115	104.444
207.977	208	
Pb	207	
Pb	206	
Tm	169	107.783
Pd	106	

BJones

**Sample ID: CCV 4**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 19:13:02

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCV 4.029

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1067529.167	ug/L	1035979.525
6 Li-1			524072.630	ug/L	517895.891
9 Be	99.723608	2.261	35335.210	ug/L	0.667
27 Al	4749.883774	0.791	27285143.947	ug/L	16546.635
44 Ca	5063.104980	1.521	1380291.413	ug/L	16941.051
51 V	100.715057	0.329	1022736.941	ug/L	-40229.573
52 Cr	99.677797	0.569	964866.330	ug/L	28466.564
55 Mn	95.974243	0.255	1411249.352	ug/L	1731.838
54 Fe	4844.441159	0.830	3769620.798	ug/L	100632.136
57 Fe	4875.579690	0.805	1580981.570	ug/L	16706.412
59 Co	100.009549	0.888	1163883.744	ug/L	70.334
60 Ni	101.018525	1.502	250863.693	ug/L	96.227
65 Cu	100.670466	1.394	237535.726	ug/L	118.329
68 Zn	95.729118	0.608	85382.559	ug/L	2597.056
75 As	99.567981	0.823	216490.805	ug/L	13310.662
82 Se	97.620657	1.482	20802.634	ug/L	1314.299
97 Mo	194.380293	0.845	340097.524	ug/L	15.667
72 Ge-1			828903.198	ug/L	806434.181
107 Ag	48.835727	2.048	409922.398	ug/L	24.000
111 Cd	98.093366	1.034	177748.805	ug/L	9.169
121 Sb	49.743659	1.317	283511.671	ug/L	52.333
135 Ba	97.445234	1.223	147827.655	ug/L	134.334
115 In-1			795928.483	ug/L	779344.025
205 Tl	50.549600	2.460	749294.331	ug/L	44.333
208 Pb	102.295939	1.172	1940430.164	ug/L	445.338
169 Tm-1			519043.915	ug/L	486382.024
50 Cr	104.307082	0.914	19251.918	ug/L	-846.502
53 Cr	82.410064	4.529	220369.664	ug/L	144961.310
61 Ni	97.322197	3.123	5907.246	ug/L	1800.519
63 Cu	101.561571	0.995	185495.417	ug/L	77.668
67 Zn	95.600902	1.922	9053.096	ug/L	1863.889
66 Zn	97.208119	1.199	43615.938	ug/L	1133.878
76 Se	88.766550	26.937	-103422.008	ug/L	-104694.433
77 Se	83.567306	0.725	24397.120	ug/L	13238.006
78 Se	97.010972	1.398	63349.209	ug/L	15837.476

79 Br	41.324181	87.436	37394.540	ug/L	35557.190
72 Ge			828903.198	ug/L	806434.181
108 Cd	96.753145	2.186	12539.243	ug/L	4.692
114 Cd	99.208227	1.033	423430.880	ug/L	5.763
109 Ag	48.445974	0.687	141537.066	ug/L	7.667
115 In			795928.483	ug/L	779344.025
208 207.977	102.267541	1.753	982536.492	ug/L	223.336
207 Pb	102.192211	0.814	408085.688	ug/L	103.001
206 Pb	102.423936	0.444	549807.984	ug/L	119.001
169 Tm			519043.915	ug/L	486382.024
106 Pd	103.770956	1.533	15809.939	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	101.193
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	102.786
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	102.128
Tl	205	
Pb	208	
Tm-1	169	106.715
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	102.786
Cd	108	
Cd	114	
Ag	109	
In	115	102.128
207.977	208	
Pb	207	
Pb	206	
Tm	169	106.715
Pd	106	

BJones

**Sample ID: CCB 4**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 19:17:23

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCB 4.030

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1076041.583	ug/L	1035979.525
6 Li-1			526339.144	ug/L	517895.891
9 Be	0.010268	31.450	4.333	ug/L	0.667
27 Al	0.387213	8.543	19509.393	ug/L	16546.635
44 Ca	-11.981691	1.429	14394.164	ug/L	16941.051
51 V	1.203001	10.966	-29048.488	ug/L	-40229.573
52 Cr	0.017102	176.829	29847.492	ug/L	28466.564
55 Mn	0.004343	108.457	1870.867	ug/L	1731.838
54 Fe	-1.779888	21.975	103572.875	ug/L	100632.136
57 Fe	3.761027	20.654	18643.916	ug/L	16706.412
59 Co	0.006098	11.299	145.335	ug/L	70.334
60 Ni	0.003755	16.451	109.799	ug/L	96.227
65 Cu	0.007368	87.935	140.996	ug/L	118.329
68 Zn	-0.681193	33.860	2111.256	ug/L	2597.056
75 As	0.194239	28.841	14281.060	ug/L	13310.662
82 Se	0.069083	382.067	1384.853	ug/L	1314.299
97 Mo	0.473257	28.015	855.044	ug/L	15.667
72 Ge-1			840951.738	ug/L	806434.181
107 Ag	0.016503	9.433	168.335	ug/L	24.000
111 Cd	0.006729	17.670	22.260	ug/L	9.169
121 Sb	0.064617	6.316	435.344	ug/L	52.333
135 Ba	0.013581	85.620	163.002	ug/L	134.334
115 In-1			821775.971	ug/L	779344.025
205 Tl	0.136901	18.771	2087.921	ug/L	44.333
208 Pb	0.007733	28.307	625.342	ug/L	445.338
169 Tm-1			522124.219	ug/L	486382.024
50 Cr	0.996876	8.226	-687.585	ug/L	-846.502
53 Cr	-41.245860	6.676	114913.065	ug/L	144961.310
61 Ni	-1.828618	83.731	1799.852	ug/L	1800.519
63 Cu	0.007360	102.962	94.668	ug/L	77.668
67 Zn	-0.664721	159.579	1892.907	ug/L	1863.889
66 Zn	-0.650675	26.945	894.129	ug/L	1133.878
76 Se	11.812320	54.095	-108610.979	ug/L	-104694.433
77 Se	-28.092164	1.459	10124.432	ug/L	13238.006
78 Se	-0.763894	16.173	16139.142	ug/L	15837.476

79 Br	-2.570945	1760.541	37020.752	ug/L	35557.190
72 Ge			840951.738	ug/L	806434.181
108 Cd	-0.034504	75.718	0.347	ug/L	4.692
114 Cd	0.015483	40.229	74.297	ug/L	5.763
109 Ag	0.016118	21.296	56.667	ug/L	7.667
115 In			821775.971	ug/L	779344.025
208 207.977	0.008529	29.258	322.006	ug/L	223.336
207 Pb	0.004436	48.318	128.334	ug/L	103.001
206 Pb	0.008761	19.699	175.002	ug/L	119.001
169 Tm			522124.219	ug/L	486382.024
106 Pd	0.013131	104.083	6.667	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	101.630
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.280
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	105.445
Tl	205	
Pb	208	
Tm-1	169	107.349
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.280
Cd	108	
Cd	114	
Ag	109	
In	115	105.445
207.977	208	
Pb	207	
Pb	206	
Tm	169	107.349
Pd	106	

BJones

**Sample ID: CCV 5**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 19:51:58

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCV 5.038

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1044719.246	ug/L	1035979.525
6 Li-1			513921.293	ug/L	517895.891
9 Be	98.413264	1.173	34197.363	ug/L	0.667
27 Al	4605.991906	0.734	26170521.537	ug/L	16546.635
44 Ca	4991.477906	0.597	1346178.645	ug/L	16941.051
51 V	99.902512	0.049	1003053.571	ug/L	-40229.573
52 Cr	99.142102	0.490	949339.971	ug/L	28466.564
55 Mn	95.707404	0.485	1391935.987	ug/L	1731.838
54 Fe	4846.265943	0.182	3729866.138	ug/L	100632.136
57 Fe	4830.034689	0.911	1549287.232	ug/L	16706.412
59 Co	99.037806	0.537	1140016.998	ug/L	70.334
60 Ni	99.428864	0.089	244228.942	ug/L	96.227
65 Cu	99.150789	0.508	231405.687	ug/L	118.329
68 Zn	94.742283	0.423	83608.224	ug/L	2597.056
75 As	98.748138	0.336	212477.357	ug/L	13310.662
82 Se	97.044780	0.412	20462.869	ug/L	1314.299
97 Mo	191.544994	0.426	331477.810	ug/L	15.667
72 Ge-1			819840.139	ug/L	806434.181
107 Ag	49.551304	1.274	409719.958	ug/L	24.000
111 Cd	98.064209	0.227	175059.437	ug/L	9.169
121 Sb	49.168297	0.494	276068.174	ug/L	52.333
135 Ba	98.533279	1.052	147250.712	ug/L	134.334
115 In-1			784077.076	ug/L	779344.025
205 Tl	51.769056	0.387	770550.289	ug/L	44.333
208 Pb	103.882437	0.512	1978444.069	ug/L	445.338
169 Tm-1			521089.490	ug/L	486382.024
50 Cr	103.765521	4.361	18939.806	ug/L	-846.502
53 Cr	80.797237	2.792	216577.366	ug/L	144961.310
61 Ni	98.557022	3.110	5893.888	ug/L	1800.519
63 Cu	99.860647	0.705	180404.832	ug/L	77.668
67 Zn	94.101047	1.819	8843.832	ug/L	1863.889
66 Zn	95.500805	1.048	42403.774	ug/L	1133.878
76 Se	78.763180	9.700	-102754.248	ug/L	-104694.433
77 Se	76.766094	2.261	23261.291	ug/L	13238.006
78 Se	96.351374	1.306	62340.186	ug/L	15837.476

79 Br	55.065935	84.640	37261.143	ug/L	35557.190
72 Ge			819840.139	ug/L	806434.181
108 Cd	96.527070	2.422	12322.108	ug/L	4.692
114 Cd	98.923697	0.391	415915.989	ug/L	5.763
109 Ag	48.819473	0.229	140504.317	ug/L	7.667
115 In			784077.076	ug/L	779344.025
208 207.977	104.455816	0.700	1007627.347	ug/L	223.336
207 Pb	104.260341	1.081	418009.375	ug/L	103.001
206 Pb	102.574993	0.644	552807.347	ug/L	119.001
169 Tm			521089.490	ug/L	486382.024
106 Pd	101.913943	1.146	15527.099	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	99.233
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	101.662
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.607
Tl	205	
Pb	208	
Tm-1	169	107.136
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	101.662
Cd	108	
Cd	114	
Ag	109	
In	115	100.607
207.977	208	
Pb	207	
Pb	206	
Tm	169	107.136
Pd	106	

BJones

**Sample ID: CCB 5**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 19:56:20

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCB 5.039

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1059563.170	ug/L	1035979.525
6 Li-1			516619.483	ug/L	517895.891
9 Be	0.010498	15.383	4.333	ug/L	0.667
27 Al	0.449978	4.370	19757.951	ug/L	16546.635
44 Ca	-16.172552	7.381	13168.904	ug/L	16941.051
51 V	1.207120	16.770	-28832.967	ug/L	-40229.573
52 Cr	-0.437878	10.435	25362.376	ug/L	28466.564
55 Mn	-0.000507	535.504	1787.516	ug/L	1731.838
54 Fe	-3.462990	59.424	101663.607	ug/L	100632.136
57 Fe	0.198641	785.554	17381.047	ug/L	16706.412
59 Co	0.007249	12.458	158.001	ug/L	70.334
60 Ni	0.007921	22.861	119.582	ug/L	96.227
65 Cu	0.014381	49.813	156.859	ug/L	118.329
68 Zn	-0.689829	41.024	2091.252	ug/L	2597.056
75 As	0.179352	163.499	14168.353	ug/L	13310.662
82 Se	0.107716	183.795	1384.185	ug/L	1314.299
97 Mo	0.427486	29.084	769.702	ug/L	15.667
72 Ge-1			835947.143	ug/L	806434.181
107 Ag	0.014662	9.729	150.001	ug/L	24.000
111 Cd	0.011134	25.034	30.065	ug/L	9.169
121 Sb	0.041020	9.857	291.672	ug/L	52.333
135 Ba	0.005925	148.651	148.668	ug/L	134.334
115 In-1			808762.944	ug/L	779344.025
205 Tl	0.122932	18.947	1903.545	ug/L	44.333
208 Pb	0.007654	12.243	631.009	ug/L	445.338
169 Tm-1			527970.433	ug/L	486382.024
50 Cr	1.531541	4.631	-579.488	ug/L	-846.502
53 Cr	-46.027255	4.080	110058.866	ug/L	144961.310
61 Ni	-1.049292	206.237	1822.532	ug/L	1800.519
63 Cu	0.006436	54.156	92.335	ug/L	77.668
67 Zn	-1.962157	26.550	1784.176	ug/L	1863.889
66 Zn	-0.819920	29.408	814.441	ug/L	1133.878
76 Se	7.006544	62.169	-108193.042	ug/L	-104694.433
77 Se	-33.182756	4.889	9400.534	ug/L	13238.006
78 Se	-1.122812	39.406	15867.642	ug/L	15837.476

79 Br	-24.298636	154.683	36354.129	ug/L	35557.190
72 Ge			835947.143	ug/L	806434.181
108 Cd	-0.023391	82.209	1.804	ug/L	4.692
114 Cd	0.009570	29.063	47.489	ug/L	5.763
109 Ag	0.012702	17.952	45.667	ug/L	7.667
115 In			808762.944	ug/L	779344.025
208 207.977	0.008070	13.547	321.339	ug/L	223.336
207 Pb	0.006539	19.757	138.334	ug/L	103.001
206 Pb	0.007737	37.480	171.335	ug/L	119.001
169 Tm			527970.433	ug/L	486382.024
106 Pd	0.024074	139.953	8.333	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass In<sup>f</sup> Std % Recovery

Sc	45	
Li-1	6	99.754
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.660
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.775
Tl	205	
Pb	208	
Tm-1	169	108.551
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.660
Cd	108	
Cd	114	
Ag	109	
In	115	103.775
207.977	208	
Pb	207	
Pb	206	
Tm	169	108.551
Pd	106	

SOP No. SAC-MT-0001

BJones

**Sample ID: CCV 6**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 20:00:41

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCV 6.040

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1053105.061	ug/L	1035979.525
6 Li-1			515916.203	ug/L	517895.891
9 Be	98.104598	0.755	34225.808	ug/L	0.667
27 Al	4645.454062	0.685	26487619.263	ug/L	16546.635
44 Ca	5042.181839	0.869	1364424.333	ug/L	16941.051
51 V	100.444183	0.812	1012301.514	ug/L	-40229.573
52 Cr	100.203729	0.419	962574.611	ug/L	28466.564
55 Mn	96.567047	0.570	1409378.161	ug/L	1731.838
54 Fe	4821.370951	0.042	3724382.550	ug/L	100632.136
57 Fe	4884.559691	0.452	1572093.347	ug/L	16706.412
59 Co	100.109499	0.753	1156444.287	ug/L	70.334
60 Ni	100.134156	0.722	246833.488	ug/L	96.227
65 Cu	100.230325	0.745	234749.442	ug/L	118.329
68 Zn	95.645674	0.347	84677.096	ug/L	2597.056
75 As	98.963950	0.746	213657.919	ug/L	13310.662
82 Se	97.155964	0.540	20557.512	ug/L	1314.299
97 Mo	192.495077	1.241	334284.879	ug/L	15.667
72 Ge-1			822744.499	ug/L	806434.181
107 Ag	49.442552	1.678	409043.728	ug/L	24.000
111 Cd	98.825114	0.363	176524.654	ug/L	9.169
121 Sb	49.505656	0.581	278129.078	ug/L	52.333
135 Ba	100.039597	0.985	149594.062	ug/L	134.334
115 In-1			784567.323	ug/L	779344.025
205 Tl	51.550611	1.653	766836.073	ug/L	44.333
208 Pb	102.956319	1.456	1959821.872	ug/L	445.338
169 Tm-1			520848.680	ug/L	486382.024
50 Cr	109.315985	3.910	20066.864	ug/L	-846.502
53 Cr	82.184970	1.913	218545.678	ug/L	144961.310
61 Ni	96.622661	0.604	5834.776	ug/L	1800.519
63 Cu	100.947113	0.682	183011.568	ug/L	77.668
67 Zn	93.633720	0.759	8840.153	ug/L	1863.889
66 Zn	96.485127	0.391	42981.256	ug/L	1133.878
76 Se	97.643418	24.856	-102240.096	ug/L	-104694.433
77 Se	80.411144	3.677	23812.668	ug/L	13238.006
78 Se	96.874648	0.503	62812.359	ug/L	15837.476

79 Br	41.638195	23.958	37122.048	ug/L	35557.190
72 Ge			822744.499	ug/L	806434.181
108 Cd	96.909838	1.288	12378.927	ug/L	4.692
114 Cd	99.169264	0.657	417193.249	ug/L	5.763
109 Ag	48.773479	0.189	140464.339	ug/L	7.667
115 In			784567.323	ug/L	779344.025
208 207.977	103.577798	1.233	998623.767	ug/L	223.336
207 Pb	102.820611	1.933	412005.934	ug/L	103.001
206 Pb	101.944864	2.134	549192.172	ug/L	119.001
169 Tm			520848.680	ug/L	486382.024
106 Pd	102.483974	1.155	15613.920	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	99.618
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	102.023
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.670
Tl	205	
Pb	208	
Tm-1	169	107.086
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	102.023
Cd	108	
Cd	114	
Ag	109	
In	115	100.670
207.977	208	
Pb	207	
Pb	206	
Tm	169	107.086
Pd	106	

BJones

**Sample ID: CCB 6**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 20:05:02

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCB 6.041

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1066597.828	ug/L	1035979.525	
6 Li-1					518695.565	ug/L	517895.891	
9 Be	0.017112	25.583			6.667	ug/L	0.667	
27 Al	0.573336	6.925			20671.055	ug/L	16546.635	
44 Ca	-15.411942	1.488			13508.086	ug/L	16941.051	
51 V	1.273401	22.340			-28397.010	ug/L	-40229.573	
52 Cr	-0.267272	13.495			27240.672	ug/L	28466.564	
55 Mn	-0.001042	284.592			1797.185	ug/L	1731.838	
54 Fe	-2.921698	18.057			103081.417	ug/L	100632.136	
57 Fe	1.601820	48.595			18009.561	ug/L	16706.412	
59 Co	0.007681	18.291			164.668	ug/L	70.334	
60 Ni	0.007695	23.790			120.176	ug/L	96.227	
65 Cu	0.008425	49.052			144.136	ug/L	118.329	
68 Zn	-0.724412	39.666			2080.250	ug/L	2597.056	
75 As	0.160977	101.555			14266.173	ug/L	13310.662	
82 Se	0.080688	187.575			1391.967	ug/L	1314.299	
97 Mo	0.462153	25.864			840.375	ug/L	15.667	
72 Ge-1					844120.567	ug/L	806434.181	
107 Ag	0.015319	4.848			156.668	ug/L	24.000	
111 Cd	0.007268	98.617			23.111	ug/L	9.169	
121 Sb	0.043700	17.287			309.672	ug/L	52.333	
135 Ba	0.015011	40.177			163.668	ug/L	134.334	
115 In-1					814628.840	ug/L	779344.025	
205 Tl	0.142526	16.859			2193.279	ug/L	44.333	
208 Pb	0.008871	14.664			653.676	ug/L	445.338	
169 Tm-1					527338.159	ug/L	486382.024	
50 Cr	1.331710	6.239			-624.417	ug/L	-846.502	
53 Cr	-43.780425	3.899			113120.908	ug/L	144961.310	
61 Ni	-0.497436	95.476			1863.556	ug/L	1800.519	
63 Cu	0.006656	8.878			93.668	ug/L	77.668	
67 Zn	-1.390973	21.457			1845.211	ug/L	1863.889	
66 Zn	-0.767437	48.575			845.117	ug/L	1133.878	
76 Se	-8.184372	117.342			-109981.989	ug/L	-104694.433	
77 Se	-31.347118	4.411			9734.122	ug/L	13238.006	
78 Se	-0.948394	62.179			16107.930	ug/L	15837.476	

79 Br	-29.397033	97.106	36607.203	ug/L	35557.190
72 Ge			844120.567	ug/L	806434.181
108 Cd	0.027715	112.750	8.568	ug/L	4.692
114 Cd	0.010845	49.598	53.311	ug/L	5.763
109 Ag	0.018613	10.563	63.667	ug/L	7.667
115 In			814628.840	ug/L	779344.025
208 207.977	0.009933	19.834	339.007	ug/L	223.336
207 Pb	0.004937	65.474	131.668	ug/L	103.001
206 Pb	0.009897	9.693	183.002	ug/L	119.001
169 Tm			527338.159	ug/L	486382.024
106 Pd	0.008754	198.431	6.000	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.154
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.673
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.528
Tl	205	
Pb	208	
Tm-1	169	108.421
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.673
Cd	108	
Cd	114	
Ag	109	
In	115	104.528
207.977	208	
Pb	207	
Pb	206	
Tm	169	108.421
Pd	106	

BJones

**Sample ID: H8411B**

Sample Description: G6G120000-489 BLK

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 20:09:23

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8411B.042

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 21

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1089005.538	ug/L	1035979.525	
6 Li-1					521391.347	ug/L	517895.891	
9 Be	0.006577	73.942			3.000	ug/L	0.667	
27 Al	3.798520	2.344			40074.226	ug/L	16546.635	
44 Ca	-6.688796	12.672			16118.833	ug/L	16941.051	
51 V	3.252740	2.582			-7205.730	ug/L	-40229.573	
52 Cr	-1.071452	4.276			19824.769	ug/L	28466.564	
55 Mn	0.099305	5.032			3343.639	ug/L	1731.838	
54 Fe	47.887171	5.024			144211.634	ug/L	100632.136	
57 Fe	2.007023	46.650			18393.759	ug/L	16706.412	
59 Co	0.106297	4.062			1351.771	ug/L	70.334	
60 Ni	0.012264	13.988			133.571	ug/L	96.227	
65 Cu	0.020213	34.641			174.827	ug/L	118.329	
68 Zn	-0.210380	97.428			2567.378	ug/L	2597.056	
75 As	0.793455	11.238			15796.626	ug/L	13310.662	
82 Se	-0.021528	684.905			1390.232	ug/L	1314.299	
97 Mo	0.125698	4.260			243.670	ug/L	15.667	
72 Ge-1					855868.192	ug/L	806434.181	
107 Ag	0.001753	49.339			41.667	ug/L	24.000	
111 Cd	-0.002117	92.210			5.909	ug/L	9.169	
121 Sb	0.012057	17.539			129.668	ug/L	52.333	
135 Ba	0.766391	4.792			1379.776	ug/L	134.334	
115 In-1					845677.664	ug/L	779344.025	
205 Tl	0.049807	6.025			831.040	ug/L	44.333	
208 Pb	0.009265	14.593			688.677	ug/L	445.338	
169 Tm-1					549011.940	ug/L	486382.024	
50 Cr	3.936488	0.889			-114.224	ug/L	-846.502	
53 Cr	-125.973164	2.479			41189.619	ug/L	144961.310	
61 Ni	3.874489	15.237			2077.691	ug/L	1800.519	
63 Cu	0.016907	16.782			114.335	ug/L	77.668	
67 Zn	-13.271496	9.872			954.480	ug/L	1863.889	
66 Zn	-0.019053	1555.015			1193.896	ug/L	1133.878	
76 Se	18.545123	113.310			-110208.502	ug/L	-104694.433	
77 Se	-81.570858	1.434			3173.737	ug/L	13238.006	
78 Se	-0.086156	39.565			16765.236	ug/L	15837.476	

79 Br	-1117.811228	4.306	14148.024	ug/L	35557.190
72 Ge			855868.192	ug/L	806434.181
108 Cd	-0.018529	147.817	2.507	ug/L	4.692
114 Cd	0.004749	29.179	27.764	ug/L	5.763
109 Ag	0.002145	36.402	15.000	ug/L	7.667
115 In			845677.664	ug/L	779344.025
208 207.977	0.011332	19.158	367.341	ug/L	223.336
207 Pb	0.005932	18.100	141.334	ug/L	103.001
206 Pb	0.008046	4.603	180.002	ug/L	119.001
169 Tm			549011.940	ug/L	486382.024
106 Pd	187299397671917180.000		4.667	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.675
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	106.130
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	108.511
Tl	205	
Pb	208	
Tm-1	169	112.877
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	106.130
Cd	108	
Cd	114	
Ag	109	
In	115	108.511
207.977	208	
Pb	207	
Pb	206	
Tm	169	112.877
Pd	106	

BJones

**Sample ID: H8411C**

Sample Description: G6G120000-489 LCS

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 20:13:43

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8411C.043

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 103

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1067157.256	ug/L	1035979.525
6 Li-1			535993.945	ug/L	517895.891
9 Be	181.441098	0.445	65762.199	ug/L	0.667
27 Al	927.061277	1.034	5331161.956	ug/L	16546.635
44 Ca	1145.966606	0.686	325412.235	ug/L	16941.051
51 V	194.009025	0.814	2005507.456	ug/L	-40229.573
52 Cr	195.287220	0.420	1859517.970	ug/L	28466.564
55 Mn	196.733875	1.840	2886401.364	ug/L	1731.838
54 Fe	1070.760985	0.938	912428.866	ug/L	100632.136
57 Fe	1023.601799	0.325	344981.965	ug/L	16706.412
59 Co	198.638368	1.081	2308210.767	ug/L	70.334
60 Ni	206.661184	0.818	512358.162	ug/L	96.227
65 Cu	205.191637	0.207	483354.515	ug/L	118.329
68 Zn	189.928742	0.134	166534.609	ug/L	2597.056
75 As	188.232076	0.558	396532.075	ug/L	13310.662
82 Se	181.874927	0.896	37540.570	ug/L	1314.299
97 Mo	200.934901	0.674	351052.888	ug/L	15.667
72 Ge-1			827694.025	ug/L	806434.181
107 Ag	48.361594	1.474	422398.219	ug/L	24.000
111 Cd	185.610209	2.070	349946.547	ug/L	9.169
121 Sb	46.415340	2.395	275238.655	ug/L	52.333
135 Ba	197.819127	2.438	312077.567	ug/L	134.334
115 In-1			828292.906	ug/L	779344.025
205 Tl	54.221473	1.088	840180.057	ug/L	44.333
208 Pb	201.373493	1.234	3992024.986	ug/L	445.338
169 Tm-1			542519.036	ug/L	486382.024
50 Cr	191.138186	1.562	35951.625	ug/L	-846.502
53 Cr	142.087578	1.808	271664.203	ug/L	144961.310
61 Ni	201.603761	1.364	10240.423	ug/L	1800.519
63 Cu	201.719648	0.494	367838.612	ug/L	77.668
67 Zn	176.072816	1.025	15040.450	ug/L	1863.889
66 Zn	188.212502	0.606	83242.971	ug/L	1133.878
76 Se	191.972601	1.786	-98399.354	ug/L	-104694.433
77 Se	133.229598	1.349	30765.488	ug/L	13238.006
78 Se	182.396485	0.567	104630.852	ug/L	15837.476

79 Br	-1085.845971	5.134	14346.939	ug/L	35557.190
72 Ge			827694.025	ug/L	806434.181
108 Cd	179.029161	1.680	24136.928	ug/L	4.692
114 Cd	186.987851	2.171	830321.548	ug/L	5.763
109 Ag	47.767393	1.631	145203.596	ug/L	7.667
115 In			828292.906	ug/L	779344.025
208 207.977	202.138228	1.388	2029653.551	ug/L	223.336
207 Pb	212.101431	1.200	885138.466	ug/L	103.001
206 Pb	192.024004	1.516	1077232.970	ug/L	119.001
169 Tm			542519.036	ug/L	486382.024
106 Pd	204.636974	0.178	31172.763	ug/L	4.667

### Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	103.495
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	102.636
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	106.281
Tl	205	
Pb	208	
Tm-1	169	111.542
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	102.636
Cd	108	
Cd	114	
Ag	109	
In	115	106.281
207.977	208	
Pb	207	
Pb	206	
Tm	169	111.542
Pd	106	

BJones

**Sample ID: H8411L**

Sample Description: G6G120000-489 LCSD

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 20:18:00

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8411L.044

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 104

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1041245.271	ug/L	1035979.525	
6 Li-1					529177.484	ug/L	517895.891	
9 Be	177.011934	0.925			63340.436	ug/L	0.667	
27 Al	889.495350	1.477			5050502.085	ug/L	16546.635	
44 Ca	1106.251696	0.845			310703.524	ug/L	16941.051	
51 V	188.690470	0.807			1924370.688	ug/L	-40229.573	
52 Cr	189.231708	0.423			1779681.911	ug/L	28466.564	
55 Mn	191.395476	0.763			2772429.491	ug/L	1731.838	
54 Fe	1032.755045	0.975			872394.695	ug/L	100632.136	
57 Fe	973.717929	0.932			324792.265	ug/L	16706.412	
59 Co	191.252174	0.711			2194082.589	ug/L	70.334	
60 Ni	196.596786	0.416			481194.316	ug/L	96.227	
65 Cu	196.095133	0.165			456009.057	ug/L	118.329	
68 Zn	179.458330	0.360			155484.670	ug/L	2597.056	
75 As	181.632013	0.611			378185.203	ug/L	13310.662	
82 Se	177.726202	0.845			36241.864	ug/L	1314.299	
97 Mo	194.441295	0.490			335364.327	ug/L	15.667	
72 Ge-1					817090.297	ug/L	806434.181	
107 Ag	46.929579	1.421			402765.691	ug/L	24.000	
111 Cd	181.413266	0.973			336125.747	ug/L	9.169	
121 Sb	45.475382	2.244			264986.359	ug/L	52.333	
135 Ba	193.655366	1.178			300247.912	ug/L	134.334	
115 In-1					813878.343	ug/L	779344.025	
205 Tl	52.013642	0.845			803437.633	ug/L	44.333	
208 Pb	197.595622	1.881			3904415.513	ug/L	445.338	
169 Tm-1					540827.609	ug/L	486382.024	
50 Cr	192.597457	2.494			35768.169	ug/L	-846.502	
53 Cr	129.066582	1.473			257055.632	ug/L	144961.310	
61 Ni	186.800982	1.480			9500.422	ug/L	1800.519	
63 Cu	193.939612	0.161			349113.960	ug/L	77.668	
67 Zn	165.197215	2.196			14046.506	ug/L	1863.889	
66 Zn	176.631110	1.341			77190.211	ug/L	1133.878	
76 Se	171.959086	4.483			-98070.729	ug/L	-104694.433	
77 Se	124.961691	0.788			29317.340	ug/L	13238.006	
78 Se	176.102366	0.320			100277.663	ug/L	15837.476	

79 Br	-1102.069106	4.571	13830.343	ug/L	35557.190
72 Ge			817090.297	ug/L	806434.181
108 Cd	173.659024	2.747	23003.468	ug/L	4.692
114 Cd	181.417374	1.167	791689.311	ug/L	5.763
109 Ag	46.519367	0.758	138964.760	ug/L	7.667
115 In			813878.343	ug/L	779344.025
208 207.977	200.389589	2.599	2005397.435	ug/L	223.336
207 Pb	205.751783	1.415	855924.503	ug/L	103.001
206 Pb	186.527109	0.976	1043093.575	ug/L	119.001
169 Tm			540827.609	ug/L	486382.024
106 Pd	195.920406	1.024	29845.149	ug/L	4.667

### Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	102.178
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	101.321
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.431
Tl	205	
Pb	208	
Tm-1	169	111.194
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	101.321
Cd	108	
Cd	114	
Ag	109	
In	115	104.431
207.977	208	
Pb	207	
Pb	206	
Tm	169	111.194
Pd	106	

BJones

**Sample ID: H8GKJ**

Sample Description: G6F290300-1

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 20:22:17

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1H8GKJ.045

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 46

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1055386.429	ug/L	1035979.525	
6 Li-1					525597.653	ug/L	517895.891	
9 Be	0.034611	41.715			13.000	ug/L	0.667	
27 Al	669.508529	0.586			3860053.581	ug/L	16546.635	
44 Ca	1049.467456	1.430			299868.606	ug/L	16941.051	
51 V	4.984535	3.394			11308.376	ug/L	-40229.573	
52 Cr	1.428832	3.329			42665.108	ug/L	28466.564	
55 Mn	31.522840	0.229			464645.813	ug/L	1731.838	
54 Fe	896.524766	0.971			781813.579	ug/L	100632.136	
57 Fe	873.385845	0.221			297266.278	ug/L	16706.412	
59 Co	3.031256	0.883			35342.904	ug/L	70.334	
60 Ni	1.707865	1.985			4337.907	ug/L	96.227	
65 Cu	238.426600	0.886			562359.920	ug/L	118.329	
68 Zn	8.587164	2.973			10087.480	ug/L	2597.056	
75 As	1.218914	9.337			16162.097	ug/L	13310.662	
82 Se	0.436354	45.219			1437.702	ug/L	1314.299	
97 Mo	0.787223	15.430			1393.446	ug/L	15.667	
72 Ge-1					828778.208	ug/L	806434.181	
107 Ag	0.109587	8.410			965.720	ug/L	24.000	
111 Cd	0.076519	24.126			151.199	ug/L	9.169	
121 Sb	0.393872	13.739			2347.985	ug/L	52.333	
135 Ba	10.334987	1.306			16154.568	ug/L	134.334	
115 In-1					813667.676	ug/L	779344.025	
205 Tl	0.053738	3.531			873.044	ug/L	44.333	
208 Pb	2.214539	1.019			43937.209	ug/L	445.338	
169 Tm-1					536922.278	ug/L	486382.024	
50 Cr	9.617374	46.500			986.210	ug/L	-846.502	
53 Cr	-124.156302	2.711			41475.735	ug/L	144961.310	
61 Ni	-1.083061	141.979			1805.188	ug/L	1800.519	
63 Cu	234.218674	1.180			427629.503	ug/L	77.668	
67 Zn	-5.209934	24.562			1526.707	ug/L	1863.889	
66 Zn	8.499359	4.366			4876.471	ug/L	1133.878	
76 Se	-8.873061	140.626			-108014.864	ug/L	-104694.433	
77 Se	-80.314484	0.208			3236.419	ug/L	13238.006	
78 Se	-1.278055	19.637			15656.303	ug/L	15837.476	

79 Br	-948.814410	4.348	17158.455	ug/L	35557.190
72 Ge			828778.208	ug/L	806434.181
108 Cd	0.012284	1650.302	6.633	ug/L	4.692
114 Cd	0.051277	8.481	229.769	ug/L	5.763
109 Ag	0.105682	9.136	323.684	ug/L	7.667
115 In			813667.676	ug/L	779344.025
208 207.977	2.294970	1.108	23051.994	ug/L	223.336
207 Pb	2.283422	1.176	9543.869	ug/L	103.001
206 Pb	2.019331	1.942	11341.346	ug/L	119.001
169 Tm			536922.278	ug/L	486382.024
106 Pd	1.330643	3.833	207.336	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	101.487
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	102.771
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.404
Tl	205	
Pb	208	
Tm-1	169	110.391
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	102.771
Cd	108	
Cd	114	
Ag	109	
In	115	104.404
207.977	208	
Pb	207	
Pb	206	
Tm	169	110.391
Pd	106	

BJones

**Sample ID: H8GKJP5**

Sample Description: G6F290300-1 5X

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 20:26:34

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GKJP5.046

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 47

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1043295.507	ug/L	1035979.525	
6 Li-1					524522.177	ug/L	517895.891	
9 Be	0.010210	82.909			4.333	ug/L	0.667	
27 Al	141.791269	2.255	826726.913		ug/L	16546.635		
44 Ca	220.860278	3.556	76461.308		ug/L	16941.051		
51 V	2.067331	5.143	-19398.804		ug/L	-40229.573		
52 Cr	0.595252	12.440	34666.537		ug/L	28466.564		
55 Mn	6.507361	1.335	96850.739		ug/L	1731.838		
54 Fe	185.667603	3.945	242681.621		ug/L	100632.136		
57 Fe	180.558801	3.818	74690.285		ug/L	16706.412		
59 Co	0.621210	2.626	7263.347		ug/L	70.334		
60 Ni	0.436953	3.027	1177.399		ug/L	96.227		
65 Cu	48.894575	3.122	114821.998		ug/L	118.329		
68 Zn	2.692585	10.369	4973.750		ug/L	2597.056		
75 As	0.584826	52.397	14792.103		ug/L	13310.662		
82 Se	0.175507	193.313	1378.194		ug/L	1314.299		
97 Mo	0.180127	7.677	329.340		ug/L	15.667		
72 Ge-1			824834.596		ug/L	806434.181		
107 Ag	0.032149	1.991	293.672		ug/L	24.000		
111 Cd	0.015773	32.093	37.730		ug/L	9.169		
121 Sb	0.114512	1.217	704.362		ug/L	52.333		
135 Ba	2.295123	2.701	3606.743		ug/L	134.334		
115 In-1			794201.852		ug/L	779344.025		
205 Tl	0.019572	9.807	336.673		ug/L	44.333		
208 Pb	0.484946	0.776	9655.395		ug/L	445.338		
169 Tm-1			518146.764		ug/L	486382.024		
50 Cr	3.290834	2.358	-234.265		ug/L	-846.502		
53 Cr	-53.910269	7.206	101766.098		ug/L	144961.310		
61 Ni	-2.371144	18.296	1743.487		ug/L	1800.519		
63 Cu	49.389784	1.932	89785.923		ug/L	77.668		
67 Zn	-1.084210	103.513	1824.866		ug/L	1863.889		
66 Zn	2.767106	9.802	2363.229		ug/L	1133.878		
76 Se	22.317137	113.242	-106043.374		ug/L	-104694.433		
77 Se	-33.354932	3.852	9252.423		ug/L	13238.006		
78 Se	-0.948440	77.696	15737.187		ug/L	15837.476		

79 Br	-192.021726	34.217	32446.067	ug/L	35557.190
72 Ge			824834.596	ug/L	806434.181
108 Cd	-0.025186	154.952	1.559	ug/L	4.692
114 Cd	0.013152	9.925	61.815	ug/L	5.763
109 Ag	0.032692	15.510	103.002	ug/L	7.667
115 In			794201.852	ug/L	779344.025
208 207.977	0.499061	0.904	5023.775	ug/L	223.336
207 Pb	0.493469	1.828	2076.580	ug/L	103.001
206 Pb	0.453340	2.658	2555.040	ug/L	119.001
169 Tm			518146.764	ug/L	486382.024
106 Pd	0.247305	11.053	42.333	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	101.279
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	102.282
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	101.906
Tl	205	
Pb	208	
Tm-1	169	106.531
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	102.282
Cd	108	
Cd	114	
Ag	109	
In	115	101.906
207.977	208	
Pb	207	
Pb	206	
Tm	169	106.531
Pd	106	

BJones

**Sample ID: H8GKJZ**

Sample Description: G6F290300-1 PS

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 20:30:51

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GKJZ.047

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 48

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1046279.230	ug/L	1035979.525
6 Li-1			527593.884	ug/L	517895.891
9 Be	176.879552	0.632	63104.080	ug/L	0.667
27 Al	1510.408980	0.497	8665281.719	ug/L	16546.635
44 Ca	2057.152254	0.878	569650.848	ug/L	16941.051
51 V	186.438965	0.256	1923316.730	ug/L	-40229.573
52 Cr	188.132153	0.569	1790354.311	ug/L	28466.564
55 Mn	214.437422	0.905	3142546.634	ug/L	1731.838
54 Fe	1773.346553	0.961	1441653.292	ug/L	100632.136
57 Fe	1798.296590	1.199	592409.400	ug/L	16706.412
59 Co	189.805002	0.723	2203061.056	ug/L	70.334
60 Ni	196.424593	1.018	486416.349	ug/L	96.227
65 Cu	417.650897	0.474	982520.134	ug/L	118.329
68 Zn	190.346996	0.195	166700.347	ug/L	2597.056
75 As	184.163319	0.358	387783.468	ug/L	13310.662
82 Se	180.584181	0.344	37237.759	ug/L	1314.299
97 Mo	189.290467	0.921	330311.854	ug/L	15.667
72 Ge-1			826717.935	ug/L	806434.181
107 Ag	47.177617	0.802	403042.890	ug/L	24.000
111 Cd	182.093177	0.693	335818.074	ug/L	9.169
121 Sb	45.170965	1.971	262008.445	ug/L	52.333
135 Ba	199.992235	1.469	308622.802	ug/L	134.334
115 In-1			810076.836	ug/L	779344.025
205 Tl	51.047060	0.551	775097.450	ug/L	44.333
208 Pb	195.010805	1.165	3788248.690	ug/L	445.338
169 Tm-1			531590.115	ug/L	486382.024
50 Cr	196.129837	0.578	36869.819	ug/L	-846.502
53 Cr	131.120034	2.571	261865.605	ug/L	144961.310
61 Ni	185.884407	1.457	9573.643	ug/L	1800.519
63 Cu	410.363212	0.940	747334.149	ug/L	77.668
67 Zn	179.789675	1.326	15298.695	ug/L	1863.889
66 Zn	189.404399	1.231	83658.399	ug/L	1133.878
76 Se	186.137399	5.119	-98559.213	ug/L	-104694.433
77 Se	131.035633	1.114	30445.367	ug/L	13238.006
78 Se	180.213868	0.316	103447.203	ug/L	15837.476

79 Br	-959.630363	4.689	16895.769	ug/L	35557.190
72 Ge			826717.935	ug/L	806434.181
108 Cd	174.760359	0.241	23047.672	ug/L	4.692
114 Cd	181.490129	0.454	788351.452	ug/L	5.763
109 Ag	46.956177	0.699	139617.811	ug/L	7.667
115 In			810076.836	ug/L	779344.025
208 207.977	196.416308	0.919	1932676.668	ug/L	223.336
207 Pb	205.186362	2.100	839016.807	ug/L	103.001
206 Pb	184.925304	1.252	1016555.215	ug/L	119.001
169 Tm			531590.115	ug/L	486382.024
106 Pd	196.192727	1.334	29886.626	ug/L	4.667

### Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	101.873
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	102.515
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.943
Tl	205	
Pb	208	
Tm-1	169	109.295
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	102.515
Cd	108	
Cd	114	
Ag	109	
In	115	103.943
207.977	208	
Pb	207	
Pb	206	
Tm	169	109.295
Pd	106	

BJones

**Sample ID: H8GKL**

Sample Description: G6F290300-2

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 20:35:09

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GKL..048

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 49

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1053611.181	ug/L	1035979.525	
6 Li-1					530299.377	ug/L	517895.891	
9 Be	0.077103	22.003			28.333	ug/L	0.667	
27 Al	1166.117862	1.067	6754354.614		ug/L	16546.635		
44 Ca	1170.795191	0.981	334692.149		ug/L	16941.051		
51 V	5.637980	2.993	18328.773		ug/L	-40229.573		
52 Cr	1.325680	1.887	41969.082		ug/L	28466.564		
55 Mn	68.083500	0.527	1008026.246		ug/L	1731.838		
54 Fe	1206.404828	1.906	1022956.519		ug/L	100632.136		
57 Fe	1198.270574	0.458	404078.062		ug/L	16706.412		
59 Co	4.096540	0.706	48049.234		ug/L	70.334		
60 Ni	1.725904	1.146	4411.453		ug/L	96.227		
65 Cu	95.639510	0.289	227119.893		ug/L	118.329		
68 Zn	9.169273	1.992	10659.824		ug/L	2597.056		
75 As	1.200231	6.258	16229.121		ug/L	13310.662		
82 Se	0.040663	227.265	1367.659		ug/L	1314.299		
97 Mo	0.725681	19.002	1294.431		ug/L	15.667		
72 Ge-1			834186.870		ug/L	806434.181		
107 Ag	0.072528	5.320	643.690		ug/L	24.000		
111 Cd	0.095240	2.027	184.953		ug/L	9.169		
121 Sb	0.363622	11.936	2161.936		ug/L	52.333		
135 Ba	18.859444	1.434	29198.973		ug/L	134.334		
115 In-1			809198.524		ug/L	779344.025		
205 Tl	0.056308	4.465	917.048		ug/L	44.333		
208 Pb	2.643836	2.986	52629.429		ug/L	445.338		
169 Tm-1			539740.146		ug/L	486382.024		
50 Cr	18.806447	4.282	2775.931		ug/L	-846.502		
53 Cr	-125.619800	2.904	40474.474		ug/L	144961.310		
61 Ni	-1.429956	36.016	1802.520		ug/L	1800.519		
63 Cu	94.879708	0.816	174410.954		ug/L	77.668		
67 Zn	-4.459882	20.810	1593.073		ug/L	1863.889		
66 Zn	9.015042	2.065	5134.882		ug/L	1133.878		
76 Se	-10.042232	136.216	-108776.142		ug/L	-104694.433		
77 Se	-81.981683	0.842	3041.037		ug/L	13238.006		
78 Se	-1.445849	11.343	15676.463		ug/L	15837.476		

79 Br	-963.061327	2.847	16977.866	ug/L	35557.190
72 Ge			834186.870	ug/L	806434.181
108 Cd	0.083232	117.914	15.747	ug/L	4.692
114 Cd	0.064016	17.224	283.680	ug/L	5.763
109 Ag	0.066825	7.204	206.340	ug/L	7.667
115 In			809198.524	ug/L	779344.025
208 207.977	2.753069	3.949	27744.614	ug/L	223.336
207 Pb	2.710927	1.848	11368.381	ug/L	103.001
206 Pb	2.398405	2.046	13516.433	ug/L	119.001
169 Tm			539740.146	ug/L	486382.024
106 Pd	1.799001	3.674	278.671	ug/L	4.667

### Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	102.395
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.441
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.831
Tl	205	
Pb	208	
Tm-1	169	110.970
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.441
Cd	108	
Cd	114	
Ag	109	
In	115	103.831
207.977	208	
Pb	207	
Pb	206	
Tm	169	110.970
Pd	106	

BJones

**Sample ID: H8GKM**

Sample Description: G6F290300-3

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 20:39:27

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GKM.049

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 50

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1049977.842	ug/L	1035979.525
6 Li-1			526229.792	ug/L	517895.891
9 Be	0.017802	42.333	7.000	ug/L	0.667
27 Al	394.761433	1.271	2292018.270	ug/L	16546.635
44 Ca	778.442295	0.288	227833.134	ug/L	16941.051
51 V	4.389740	3.543	5051.724	ug/L	-40229.573
52 Cr	0.799874	3.093	36908.346	ug/L	28466.564
55 Mn	20.001868	0.704	296653.719	ug/L	1731.838
54 Fe	527.954833	0.756	504915.009	ug/L	100632.136
57 Fe	520.179756	0.491	184724.252	ug/L	16706.412
59 Co	2.912987	0.794	34101.658	ug/L	70.334
60 Ni	1.031061	3.679	2668.588	ug/L	96.227
65 Cu	166.269145	1.005	393768.533	ug/L	118.329
68 Zn	6.403131	6.526	8233.544	ug/L	2597.056
75 As	0.930162	31.575	15635.335	ug/L	13310.662
82 Se	0.170451	19.406	1390.180	ug/L	1314.299
97 Mo	0.367553	0.589	661.692	ug/L	15.667
72 Ge-1			832083.932	ug/L	806434.181
107 Ag	0.070930	3.779	631.689	ug/L	24.000
111 Cd	0.063839	2.710	127.454	ug/L	9.169
121 Sb	0.160076	8.364	984.056	ug/L	52.333
135 Ba	6.671655	2.587	10444.231	ug/L	134.334
115 In-1			811196.744	ug/L	779344.025
205 Tl	0.028004	7.593	470.346	ug/L	44.333
208 Pb	1.679728	0.856	32889.840	ug/L	445.338
169 Tm-1			528006.268	ug/L	486382.024
50 Cr	10.018002	4.110	1066.869	ug/L	-846.502
53 Cr	-124.205021	3.126	41590.686	ug/L	144961.310
61 Ni	-2.929806	19.292	1735.148	ug/L	1800.519
63 Cu	165.020438	0.866	302510.552	ug/L	77.668
67 Zn	-6.939310	15.552	1402.982	ug/L	1863.889
66 Zn	6.569415	10.043	4049.965	ug/L	1133.878
76 Se	12.349685	66.118	-107438.228	ug/L	-104694.433
77 Se	-80.288066	2.082	3252.758	ug/L	13238.006
78 Se	-1.211669	11.603	15751.108	ug/L	15837.476

79 Br	-1014.520486	4.151	15877.095	ug/L	35557.190
72 Ge			832083.932	ug/L	806434.181
108 Cd	0.021703	481.619	7.652	ug/L	4.692
114 Cd	0.046520	19.005	208.090	ug/L	5.763
109 Ag	0.064283	2.946	199.340	ug/L	7.667
115 In			811196.744	ug/L	779344.025
208 207.977	1.754568	0.566	17388.260	ug/L	223.336
207 Pb	1.717221	2.015	7085.535	ug/L	103.001
206 Pb	1.517876	0.712	8416.046	ug/L	119.001
169 Tm			528006.268	ug/L	486382.024
106 Pd	0.932322	8.223	146.668	ug/L	4.667

### Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	101.609
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.181
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.087
Tl	205	
Pb	208	
Tm-1	169	108.558
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.181
Cd	108	
Cd	114	
Ag	109	
In	115	104.087
207.977	208	
Pb	207	
Pb	206	
Tm	169	108.558
Pd	106	

BJones

**Sample ID: H8GKQ**

Sample Description: G6F290300-4

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 20:43:45

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GKQ.050

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 51

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1039464.898	ug/L	1035979.525
6 Li-1			518988.846	ug/L	517895.891
9 Be	0.040839	0.705	15.000	ug/L	0.667
27 Al	741.295783	2.511	4232567.471	ug/L	16546.635
44 Ca	1312.129822	2.476	367140.841	ug/L	16941.051
51 V	5.278359	1.977	14272.619	ug/L	-40229.573
52 Cr	1.293783	8.719	41015.585	ug/L	28466.564
55 Mn	33.115264	1.482	483577.756	ug/L	1731.838
54 Fe	966.443426	2.916	826982.637	ug/L	100632.136
57 Fe	946.489432	3.225	317714.745	ug/L	16706.412
59 Co	3.781162	2.592	43659.990	ug/L	70.334
60 Ni	1.314559	3.874	3330.092	ug/L	96.227
65 Cu	79.659262	2.088	186238.049	ug/L	118.329
68 Zn	15.993494	2.410	16334.566	ug/L	2597.056
75 As	1.417314	20.280	16410.371	ug/L	13310.662
82 Se	0.468120	54.197	1430.493	ug/L	1314.299
97 Mo	0.520307	2.658	918.048	ug/L	15.667
72 Ge-1			821389.935	ug/L	806434.181
107 Ag	0.041204	7.867	373.008	ug/L	24.000
111 Cd	0.079506	19.314	154.704	ug/L	9.169
121 Sb	0.246497	2.373	1469.123	ug/L	52.333
135 Ba	14.936601	1.499	22947.721	ug/L	134.334
115 In-1			801954.232	ug/L	779344.025
205 Tl	0.041548	2.652	671.359	ug/L	44.333
208 Pb	2.263558	1.902	43928.682	ug/L	445.338
169 Tm-1			525332.480	ug/L	486382.024
50 Cr	13.808061	7.385	1776.503	ug/L	-846.502
53 Cr	-122.248257	2.809	42759.338	ug/L	144961.310
61 Ni	-3.702347	45.484	1681.453	ug/L	1800.519
63 Cu	80.589558	2.251	145836.859	ug/L	77.668
67 Zn	2.382553	70.801	2075.692	ug/L	1863.889
66 Zn	16.023299	2.458	8086.783	ug/L	1133.878
76 Se	14.838124	372.777	-105978.151	ug/L	-104694.433
77 Se	-79.947443	1.632	3255.425	ug/L	13238.006
78 Se	-0.689751	143.386	15792.871	ug/L	15837.476

79 Br	-947.786698	3.435	17027.273	ug/L	35557.190
72 Ge			821389.935	ug/L	806434.181
108 Cd	0.317054	73.415	46.024	ug/L	4.692
114 Cd	0.057122	6.968	251.549	ug/L	5.763
109 Ag	0.037854	5.477	119.336	ug/L	7.667
115 In			801954.232	ug/L	779344.025
208 207.977	2.330630	1.891	22900.265	ug/L	223.336
207 Pb	2.318930	1.677	9481.134	ug/L	103.001
206 Pb	2.102312	2.315	11547.283	ug/L	119.001
169 Tm			525332.480	ug/L	486382.024
106 Pd	1.510107	7.890	234.670	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.211
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	101.855
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	102.901
Tl	205	
Pb	208	
Tm-1	169	108.008
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	101.855
Cd	108	
Cd	114	
Ag	109	
In	115	102.901
207.977	208	
Pb	207	
Pb	206	
Tm	169	108.008
Pd	106	

BJones

**Sample ID: H8GKR**

Sample Description: G6F290300-5

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 20:48:05

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GKR.051

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 52

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1052961.252	ug/L	1035979.525
6 Li-1			528637.321	ug/L	517895.891
9 Be	0.033516	16.966	12.667	ug/L	0.667
27 Al	688.043238	0.718	3981069.088	ug/L	16546.635
44 Ca	1172.332751	0.757	334167.544	ug/L	16941.051
51 V	5.095336	1.209	12526.850	ug/L	-40229.573
52 Cr	1.201910	0.773	40685.036	ug/L	28466.564
55 Mn	32.487001	0.746	480582.161	ug/L	1731.838
54 Fe	973.572061	0.348	843222.701	ug/L	100632.136
57 Fe	956.569803	0.215	325140.613	ug/L	16706.412
59 Co	2.519212	1.689	29492.962	ug/L	70.334
60 Ni	1.353155	2.252	3470.490	ug/L	96.227
65 Cu	86.371655	0.285	204546.313	ug/L	118.329
68 Zn	9.319664	1.974	10760.280	ug/L	2597.056
75 As	1.232245	22.860	16247.718	ug/L	13310.662
82 Se	0.716436	18.556	1498.938	ug/L	1314.299
97 Mo	0.416036	5.366	746.699	ug/L	15.667
72 Ge-1			831842.720	ug/L	806434.181
107 Ag	0.036874	8.483	340.340	ug/L	24.000
111 Cd	0.077894	7.620	153.375	ug/L	9.169
121 Sb	0.475874	0.887	2817.120	ug/L	52.333
135 Ba	11.203552	1.386	17440.033	ug/L	134.334
115 In-1			810864.386	ug/L	779344.025
205 Tl	0.048481	2.883	790.702	ug/L	44.333
208 Pb	2.693318	1.871	53199.138	ug/L	445.338
169 Tm-1			535667.352	ug/L	486382.024
50 Cr	12.650315	5.726	1575.720	ug/L	-846.502
53 Cr	-122.419555	3.011	43141.847	ug/L	144961.310
61 Ni	-2.279596	31.088	1761.830	ug/L	1800.519
63 Cu	86.884528	0.170	159269.152	ug/L	77.668
67 Zn	-3.741100	22.748	1642.432	ug/L	1863.889
66 Zn	9.303922	3.057	5247.069	ug/L	1133.878
76 Se	-2.129209	505.399	-108095.137	ug/L	-104694.433
77 Se	-79.272582	1.939	3383.792	ug/L	13238.006
78 Se	-1.193287	39.176	15754.943	ug/L	15837.476

Report Date/Time: Monday, July 17, 2006 20:50:08

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Sample ID: H8GKR  
G6F290300

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>	79 Br	-987.626000	2.735	16426.463	ug/L	35557.190
>	72 Ge			831842.720	ug/L	806434.181
	108 Cd	0.161785	82.273	26.186	ug/L	4.692
	114 Cd	0.059179	9.947	263.396	ug/L	5.763
>	109 Ag	0.032472	11.814	104.668	ug/L	7.667
>	115 In			810864.386	ug/L	779344.025
	208 207.977	2.788003	2.230	27881.353	ug/L	223.336
	207 Pb	2.768841	2.659	11519.579	ug/L	103.001
	206 Pb	2.467656	1.473	13798.206	ug/L	119.001
>	169 Tm			535667.352	ug/L	486382.024
	106 Pd	1.348151	8.561	210.003	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	102.074
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.151
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.044
Tl	205	
Pb	208	
Tm-1	169	110.133
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.151
Cd	108	
Cd	114	
Ag	109	
In	115	104.044
207.977	208	
Pb	207	
Pb	206	
Tm	169	110.133
Pd	106	

BJones

**Sample ID: CCV 7**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 20:52:25

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCV 7.052

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1056667.745	ug/L	1035979.525
6 Li-1			531632.085	ug/L	517895.891
9 Be	95.047156	2.564	34164.581	ug/L	0.667
27 Al	4557.691684	1.989	26266925.619	ug/L	16546.635
44 Ca	4983.311035	1.530	1363273.922	ug/L	16941.051
51 V	100.060851	1.488	1019110.426	ug/L	-40229.573
52 Cr	99.303006	1.427	964468.850	ug/L	28466.564
55 Mn	95.174944	2.139	1403994.774	ug/L	1731.838
54 Fe	4788.306712	0.394	3739606.870	ug/L	100632.136
57 Fe	4790.114495	1.772	1558627.503	ug/L	16706.412
59 Co	98.386977	1.092	1148796.264	ug/L	70.334
60 Ni	99.042559	1.871	246769.009	ug/L	96.227
65 Cu	98.067178	1.062	232175.875	ug/L	118.329
68 Zn	92.102633	0.914	82521.981	ug/L	2597.056
75 As	96.545141	1.230	211026.848	ug/L	13310.662
82 Se	94.621049	1.103	20272.482	ug/L	1314.299
97 Mo	188.003147	1.191	330018.396	ug/L	15.667
72 Ge-1			831672.398	ug/L	806434.181
107 Ag	48.624767	2.206	402129.394	ug/L	24.000
111 Cd	96.966372	2.129	173120.800	ug/L	9.169
121 Sb	48.886829	1.655	274540.146	ug/L	52.333
135 Ba	98.655849	1.654	147465.250	ug/L	134.334
115 In-1			784361.850	ug/L	779344.025
205 Tl	50.830168	1.793	763009.733	ug/L	44.333
208 Pb	102.789245	0.649	1974440.986	ug/L	445.338
169 Tm-1			525542.529	ug/L	486382.024
50 Cr	108.984573	3.071	20225.954	ug/L	-846.502
53 Cr	84.960477	1.670	223328.530	ug/L	144961.310
61 Ni	91.422285	2.721	5680.158	ug/L	1800.519
63 Cu	98.722968	1.408	180907.156	ug/L	77.668
67 Zn	92.200735	2.567	8828.120	ug/L	1863.889
66 Zn	93.304928	1.988	42049.034	ug/L	1133.878
76 Se	70.485605	43.023	-104637.300	ug/L	-104694.433
77 Se	89.166546	2.117	25202.381	ug/L	13238.006
78 Se	93.784806	1.559	61986.712	ug/L	15837.476

79 Br	25.164319	61.729	37187.243	ug/L	35557.190
72 Ge			831672.398	ug/L	806434.181
108 Cd	94.610088	0.619	12082.939	ug/L	4.692
114 Cd	97.652673	1.061	410676.725	ug/L	5.763
109 Ag	48.224990	2.870	138796.192	ug/L	7.667
115 In			784361.850	ug/L	779344.025
208 207.977	103.331127	1.078	1005358.178	ug/L	223.336
207 Pb	103.064473	0.660	416748.731	ug/L	103.001
206 Pb	101.614564	0.916	552334.077	ug/L	119.001
169 Tm			525542.529	ug/L	486382.024
106 Pd	100.241157	1.381	15272.318	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	102.652
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.130
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.644
Tl	205	
Pb	208	
Tm-1	169	108.051
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.130
Cd	108	
Cd	114	
Ag	109	
In	115	100.644
207.977	208	
Pb	207	
Pb	206	
Tm	169	108.051
Pd	106	

**Sample ID: CCB 7**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 20:56:46

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCB 7.053

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1052082.247	ug/L	1035979.525	
6 Li-1					523111.944	ug/L	517895.891	
9 Be	0.013185	33.265			5.333	ug/L	0.667	
27 Al	0.641230	7.843			20760.600	ug/L	16546.635	
44 Ca	-12.530829	8.989			14088.335	ug/L	16941.051	
51 V	1.328504	12.825			-27402.411	ug/L	-40229.573	
52 Cr	0.103333	74.372			30332.492	ug/L	28466.564	
55 Mn	0.012805	20.616			1974.890	ug/L	1731.838	
54 Fe	-0.963705	192.692			103061.607	ug/L	100632.136	
57 Fe	3.118910	11.302			18236.280	ug/L	16706.412	
59 Co	0.010562	10.729			196.002	ug/L	70.334	
60 Ni	0.010622	45.978			125.769	ug/L	96.227	
65 Cu	0.011710	62.184			149.692	ug/L	118.329	
68 Zn	-0.456285	154.808			2287.648	ug/L	2597.056	
75 As	0.363489	151.668			14466.478	ug/L	13310.662	
82 Se	0.344928	100.035			1424.156	ug/L	1314.299	
97 Mo	0.468928	25.516			838.375	ug/L	15.667	
72 Ge-1					831860.456	ug/L	806434.181	
107 Ag	0.018918	3.513			183.002	ug/L	24.000	
111 Cd	0.010505	54.907			28.328	ug/L	9.169	
121 Sb	0.053882	3.856			360.007	ug/L	52.333	
135 Ba	0.008914	128.649			150.335	ug/L	134.334	
115 In-1					794751.828	ug/L	779344.025	
205 Tl	0.125197	19.726			1902.212	ug/L	44.333	
208 Pb	0.010641	23.532			677.010	ug/L	445.338	
169 Tm-1					518810.321	ug/L	486382.024	
50 Cr	1.078651	10.619			-664.315	ug/L	-846.502	
53 Cr	-41.201871	7.604			113706.171	ug/L	144961.310	
61 Ni	-3.794711	68.113			1697.795	ug/L	1800.519	
63 Cu	0.007418	37.888			93.668	ug/L	77.668	
67 Zn	-1.206190	17.412			1832.204	ug/L	1863.889	
66 Zn	-0.439331	161.827			979.165	ug/L	1133.878	
76 Se	19.116217	64.485			-107092.712	ug/L	-104694.433	
77 Se	-23.958219	4.249			10550.451	ug/L	13238.006	
78 Se	-0.665942	35.604			16011.662	ug/L	15837.476	

79 Br	-24.416813	147.272	36173.272	ug/L	35557.190
72 Ge			831860.456	ug/L	806434.181
108 Cd	0.003918	297.705	5.297	ug/L	4.692
114 Cd	0.012406	52.081	58.530	ug/L	5.763
109 Ag	0.019967	13.190	66.001	ug/L	7.667
115 In			794751.828	ug/L	779344.025
208 207.977	0.012076	23.218	354.341	ug/L	223.336
207 Pb	0.004954	62.770	129.668	ug/L	103.001
206 Pb	0.012301	21.325	193.002	ug/L	119.001
169 Tm			518810.321	ug/L	486382.024
106 Pd	0.017508	114.564	7.333	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	101.007
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.153
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	101.977
Tl	205	
Pb	208	
Tm-1	169	106.667
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.153
Cd	108	
Cd	114	
Ag	109	
In	115	101.977
207.977	208	
Pb	207	
Pb	206	
Tm	169	106.667
Pd	106	

BJones

**Sample ID: CCV 8**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 21:01:07

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCV 8.054

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1046213.683	ug/L	1035979.525	
6 Li-1					525733.553	ug/L	517895.891	
9 Be	95.680942	0.624			34015.658	ug/L	0.667	
27 Al	4577.952193	0.728			26126701.499	ug/L	16546.635	
44 Ca	4989.514430	1.207			1351617.208	ug/L	16941.051	
51 V	100.187404	0.309			1010486.457	ug/L	-40229.573	
52 Cr	99.554764	0.677			957388.648	ug/L	28466.564	
55 Mn	95.861373	0.494			1400341.496	ug/L	1731.838	
54 Fe	4812.282658	0.271			3720838.353	ug/L	100632.136	
57 Fe	4786.636623	0.211			1542315.930	ug/L	16706.412	
59 Co	98.888961	0.535			1143345.869	ug/L	70.334	
60 Ni	98.740474	0.628			243613.247	ug/L	96.227	
65 Cu	98.236353	0.523			230288.018	ug/L	118.329	
68 Zn	93.038829	0.479			82515.925	ug/L	2597.056	
75 As	98.228301	0.628			212367.195	ug/L	13310.662	
82 Se	95.011890	0.726			20151.138	ug/L	1314.299	
97 Mo	189.971543	1.036			330209.819	ug/L	15.667	
72 Ge-1					823471.102	ug/L	806434.181	
107 Ag	48.696028	1.086			401282.812	ug/L	24.000	
111 Cd	96.887472	1.224			172358.011	ug/L	9.169	
121 Sb	48.883546	0.677			273526.857	ug/L	52.333	
135 Ba	99.077068	0.621			147559.527	ug/L	134.334	
115 In-1					781364.503	ug/L	779344.025	
205 Tl	51.501126	0.548			758373.715	ug/L	44.333	
208 Pb	104.563657	0.475			1970067.847	ug/L	445.338	
169 Tm-1					515503.719	ug/L	486382.024	
50 Cr	107.572155	2.547			19752.250	ug/L	-846.502	
53 Cr	84.724727	4.289			220916.060	ug/L	144961.310	
61 Ni	94.143684	3.574			5737.264	ug/L	1800.519	
63 Cu	99.015870	0.553			179670.115	ug/L	77.668	
67 Zn	91.744916	1.673			8708.118	ug/L	1863.889	
66 Zn	93.188199	0.785			41588.247	ug/L	1133.878	
76 Se	91.674184	6.755			-102603.762	ug/L	-104694.433	
77 Se	87.232495	1.169			24707.061	ug/L	13238.006	
78 Se	95.402804	0.649			62159.732	ug/L	15837.476	

79 Br	7.770374	259.822	36466.118	ug/L	35557.190
72 Ge			823471.102	ug/L	806434.181
108 Cd	93.480864	1.100	11893.677	ug/L	4.692
114 Cd	97.831740	0.845	409908.057	ug/L	5.763
109 Ag	48.347683	1.714	138664.110	ug/L	7.667
115 In			781364.503	ug/L	779344.025
208 207.977	105.848098	0.679	1010099.865	ug/L	223.336
207 Pb	103.869886	0.609	411975.193	ug/L	103.001
206 Pb	102.780691	0.696	547992.788	ug/L	119.001
169 Tm			515503.719	ug/L	486382.024
106 Pd	99.881635	2.401	15217.560	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	101.513
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	102.113
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.259
Tl	205	
Pb	208	
Tm-1	169	105.987
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	102.113
Cd	108	
Cd	114	
Ag	109	
In	115	100.259
207.977	208	
Pb	207	
Pb	206	
Tm	169	105.987
Pd	106	

BJones

**Sample ID: CCB 8**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 21:05:27

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCB 8.055

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1058788.806	ug/L	1035979.525
6 Li-1			527514.705	ug/L	517895.891
9 Be	0.026166	67.313	10.000	ug/L	0.667
27 Al	0.745479	6.735	21563.540	ug/L	16546.635
44 Ca	-13.364818	2.778	13994.850	ug/L	16941.051
51 V	1.414859	10.851	-26746.680	ug/L	-40229.573
52 Cr	0.088310	27.218	30479.327	ug/L	28466.564
55 Mn	0.012696	37.210	1991.894	ug/L	1731.838
54 Fe	-1.386926	13.865	103718.274	ug/L	100632.136
57 Fe	2.646783	34.181	18255.317	ug/L	16706.412
59 Co	0.012082	13.516	215.669	ug/L	70.334
60 Ni	0.009150	47.891	123.238	ug/L	96.227
65 Cu	0.020079	47.115	171.122	ug/L	118.329
68 Zn	-0.922877	22.702	1896.874	ug/L	2597.056
75 As	0.546178	30.254	14987.637	ug/L	13310.662
82 Se	0.346026	41.112	1438.331	ug/L	1314.299
97 Mo	0.485488	27.181	876.046	ug/L	15.667
72 Ge-1			839687.228	ug/L	806434.181
107 Ag	0.018444	3.318	180.669	ug/L	24.000
111 Cd	0.009214	27.259	26.254	ug/L	9.169
121 Sb	0.052625	7.971	356.007	ug/L	52.333
135 Ba	0.014708	118.671	160.668	ug/L	134.334
115 In-1			801886.944	ug/L	779344.025
205 Tl	0.148179	16.908	2284.304	ug/L	44.333
208 Pb	0.011918	12.094	713.344	ug/L	445.338
169 Tm-1			528041.960	ug/L	486382.024
50 Cr	1.059691	3.510	-674.289	ug/L	-846.502
53 Cr	-43.891327	7.322	112424.492	ug/L	144961.310
61 Ni	-5.801360	5.194	1629.758	ug/L	1800.519
63 Cu	0.014295	38.125	107.335	ug/L	77.668
67 Zn	-1.986888	58.257	1790.180	ug/L	1863.889
66 Zn	-0.967675	19.037	752.758	ug/L	1133.878
76 Se	5.742123	455.408	-108740.716	ug/L	-104694.433
77 Se	-26.692968	6.184	10291.903	ug/L	13238.006
78 Se	-0.951579	30.345	16022.868	ug/L	15837.476

79 Br	-47.912856	100.422	36028.532	ug/L	35557.190
72 Ge			839687.228	ug/L	806434.181
108 Cd	0.021461	61.445	7.630	ug/L	4.692
114 Cd	0.014865	33.516	69.846	ug/L	5.763
109 Ag	0.021103	13.193	70.001	ug/L	7.667
115 In			801886.944	ug/L	779344.025
208 207.977	0.012237	13.261	362.007	ug/L	223.336
207 Pb	0.008825	13.521	147.668	ug/L	103.001
206 Pb	0.013647	14.768	203.669	ug/L	119.001
169 Tm			528041.960	ug/L	486382.024
106 Pd	0.015320	128.571	7.000	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	101.857
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.123
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	102.893
Tl	205	
Pb	208	
Tm-1	169	108.565
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.123
Cd	108	
Cd	114	
Ag	109	
In	115	102.893
207.977	208	
Pb	207	
Pb	206	
Tm	169	108.565
Pd	106	

**Sample ID: H8GKV**

Sample Description: G6F290300-6

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 21:09:48

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GKV.056

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 53

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Vourne (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1071417.569	ug/L	1035979.525	
6 Li-1					531416.223	ug/L	517895.891	
9 Be	0.054674	2.205			20.333	ug/L	0.667	
27 Al	1188.910601	1.516	6949839.287		ug/L	16546.635		
44 Ca	1550.525968	1.188	441628.714		ug/L	16941.051		
51 V	6.255042	2.684	25113.623		ug/L	-40229.573		
52 Cr	1.617518	4.444	45142.839		ug/L	28466.564		
55 Mn	54.521491	0.707	815116.121		ug/L	1731.838		
54 Fe	1473.686760	1.176	1237887.625		ug/L	100632.136		
57 Fe	1464.931548	1.229	494701.298		ug/L	16706.412		
59 Co	1.059218	1.123	12593.723		ug/L	70.334		
60 Ni	1.689372	0.764	4360.309		ug/L	96.227		
65 Cu	88.046271	0.722	211058.648		ug/L	118.329		
68 Zn	12.060162	1.945	13295.427		ug/L	2597.056		
75 As	1.753012	7.795	17522.846		ug/L	13310.662		
82 Se	0.504922	63.663	1474.216		ug/L	1314.299		
97 Mo	0.617448	2.129	1113.738		ug/L	15.667		
72 Ge-1			841995.463		ug/L	806434.181		
107 Ag	0.046041	5.919	423.677		ug/L	24.000		
111 Cd	0.105615	13.944	207.090		ug/L	9.169		
121 Sb	0.212831	1.508	1305.764		ug/L	52.333		
135 Ba	17.399470	1.040	27335.302		ug/L	134.334		
115 In-1			820715.682		ug/L	779344.025		
205 Tl	0.091407	3.775	1465.790		ug/L	44.333		
208 Pb	2.940625	0.678	58781.675		ug/L	445.338		
169 Tm-1			542439.752		ug/L	486382.024		
50 Cr	18.089541	7.934	2660.216		ug/L	-846.502		
53 Cr	-125.292065	2.672	41151.290		ug/L	144961.310		
61 Ni	-2.392045	34.147	1778.840		ug/L	1800.519		
63 Cu	88.188262	0.471	163627.041		ug/L	77.668		
67 Zn	-2.177726	28.548	1781.175		ug/L	1863.889		
66 Zn	11.809522	0.792	6422.594		ug/L	1133.878		
76 Se	9.156264	293.096	-108878.196		ug/L	-104694.433		
77 Se	-80.719176	1.395	3235.753		ug/L	13238.006		
78 Se	-0.792347	27.923	16144.501		ug/L	15837.476		

79 Br	-937.032431	3.698	17679.514	ug/L	35557.190
72 Ge			841995.463	ug/L	806434.181
108 Cd	0.404054	36.869	58.843	ug/L	4.692
114 Cd	0.067915	10.484	305.060	ug/L	5.763
109 Ag	0.037271	10.902	120.336	ug/L	7.667
115 In			820715.682	ug/L	779344.025
208 207.977	3.043667	0.869	30805.466	ug/L	223.336
207 Pb	3.013962	0.661	12690.864	ug/L	103.001
206 Pb	2.701629	2.612	15285.345	ug/L	119.001
169 Tm			542439.752	ug/L	486382.024
106 Pd	2.164498	2.433	334.340	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	102.611
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.410
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	105.309
Tl	205	
Pb	208	
Tm-1	169	111.525
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.410
Cd	108	
Cd	114	
Ag	109	
In	115	105.309
207.977	208	
Pb	207	
Pb	206	
Tm	169	111.525
Pd	106	

BJones

**Sample ID: H8GKW**

Sample Description: G6F290300-7

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 21:14:08

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GKW.057

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 54

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1050059.558	ug/L	1035979.525	
6 Li-1					522223.091	ug/L	517895.891	
9 Be	0.014102	49.336			5.667	ug/L	0.667	
27 Al	15.811225	1.395			109225.593	ug/L	16546.635	
44 Ca	238.301830	0.710			82654.913	ug/L	16941.051	
51 V	3.261664	3.958			-6972.941	ug/L	-40229.573	
52 Cr	0.496143	18.613			34365.360	ug/L	28466.564	
55 Mn	1.215788	1.916			19895.928	ug/L	1731.838	
54 Fe	27.218840	8.267			125688.119	ug/L	100632.136	
57 Fe	16.911704	3.081			22898.716	ug/L	16706.412	
59 Co	0.224905	0.433			2725.758	ug/L	70.334	
60 Ni	0.445443	1.772			1220.831	ug/L	96.227	
65 Cu	1.175840	1.449			2934.026	ug/L	118.329	
68 Zn	0.617825	2.273			3246.269	ug/L	2597.056	
75 As	0.648519	6.505			15203.675	ug/L	13310.662	
82 Se	0.054935	182.390			1380.212	ug/L	1314.299	
97 Mo	0.211250	3.736			391.009	ug/L	15.667	
72 Ge-1					840047.747	ug/L	806434.181	
107 Ag	0.003208	33.202			53.000	ug/L	24.000	
111 Cd	0.005463	56.204			19.856	ug/L	9.169	
121 Sb	0.025567	14.886			205.336	ug/L	52.333	
135 Ba	0.591135	5.241			1065.398	ug/L	134.334	
115 In-1					820985.745	ug/L	779344.025	
205 Tl	0.024646	4.066			427.344	ug/L	44.333	
208 Pb	0.171766	1.685			3865.334	ug/L	445.338	
169 Tm-1					537433.655	ug/L	486382.024	
50 Cr	4.748930	3.127			46.923	ug/L	-846.502	
53 Cr	-124.054923	3.402			42094.387	ug/L	144961.310	
61 Ni	-6.398224	27.448			1605.413	ug/L	1800.519	
63 Cu	1.169338	4.420			2243.806	ug/L	77.668	
67 Zn	-12.117953	15.341			1023.503	ug/L	1863.889	
66 Zn	0.778751	10.688			1526.039	ug/L	1133.878	
76 Se	29.979633	109.476			-107636.399	ug/L	-104694.433	
77 Se	-80.667031	0.949			3233.418	ug/L	13238.006	
78 Se	-1.158843	10.749			15927.289	ug/L	15837.476	

Report Date/Time: Monday, July 17, 2006 21:16:12

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Sample ID: H8GKW  
G6F290300

STL Sacramento (916) 373 - 5600

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79 Br	-1141.479032	4.986	13391.196	ug/L	35557.190
72 Ge			840047.747	ug/L	806434.181
108 Cd	0.187808	19.658	30.064	ug/L	4.692
114 Cd	0.009411	21.105	47.566	ug/L	5.763
109 Ag	0.001529	139.171	12.667	ug/L	7.667
115 In			820985.745	ug/L	779344.025
208 207.977	0.179886	2.819	2036.237	ug/L	223.336
207 Pb	0.172868	9.559	828.373	ug/L	103.001
206 Pb	0.156413	1.197	1000.724	ug/L	119.001
169 Tm			537433.655	ug/L	486382.024
106 Pd	0.407068	3.725	66.667	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.836
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.168
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	105.343
Tl	205	
Pb	208	
Tm-1	169	110.496
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.168
Cd	108	
Cd	114	
Ag	109	
In	115	105.343
207.977	208	
Pb	207	
Pb	206	
Tm	169	110.496
Pd	106	

BJones

**Sample ID: H8GKX**

Sample Description: G6F290300-8

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 21:18:28

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GKX.058

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 55

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1061059.545	ug/L	1035979.525	
6 Li-1					530858.192	ug/L	517895.891	
9 Be	0.017625	17.425			7.000	ug/L	0.667	
27 Al	279.225837	0.339	1650515.328		ug/L	16546.635		
44 Ca	577.913123	1.012	176227.284		ug/L	16941.051		
51 V	3.940552	2.366			294.009	ug/L	-40229.573	
52 Cr	1.007138	7.626	39437.011		ug/L	28466.564		
55 Mn	13.254391	0.584	200122.343		ug/L	1731.838		
54 Fe	408.646937	1.947	420431.102		ug/L	100632.136		
57 Fe	390.320231	1.967	145033.024		ug/L	16706.412		
59 Co	0.645571	1.163			7728.079	ug/L	70.334	
60 Ni	0.797416	2.993			2117.277	ug/L	96.227	
65 Cu	29.134789	1.018	70126.501		ug/L	118.329		
68 Zn	4.433356	9.643			6620.508	ug/L	2597.056	
75 As	1.019747	14.655	16053.638		ug/L	13310.662		
82 Se	0.539045	54.205			1485.739	ug/L	1314.299	
97 Mo	0.300600	4.268			552.351	ug/L	15.667	
72 Ge-1					844507.969	ug/L	806434.181	
107 Ag	0.012043	12.089			129.334	ug/L	24.000	
111 Cd	0.034652	17.788			74.259	ug/L	9.169	
121 Sb	0.099880	1.147			641.023	ug/L	52.333	
135 Ba	4.409322	1.398			7021.483	ug/L	134.334	
115 In-1					819415.536	ug/L	779344.025	
205 Tl	0.037921	5.155			637.023	ug/L	44.333	
208 Pb	1.443398	1.373			29106.836	ug/L	445.338	
169 Tm-1					542415.095	ug/L	486382.024	
50 Cr	8.434358	4.035			771.416	ug/L	-846.502	
53 Cr	-123.293982	3.442	42997.474		ug/L	144961.310		
61 Ni	-4.597417	14.026			1690.124	ug/L	1800.519	
63 Cu	29.296088	1.589	54569.340		ug/L	77.668		
67 Zn	-8.939627	22.409			1270.927	ug/L	1863.889	
66 Zn	4.610380	5.712			3238.011	ug/L	1133.878	
76 Se	30.436760	83.763	-108179.872		ug/L	-104694.433		
77 Se	-80.444824	1.337			3279.764	ug/L	13238.006	
78 Se	-0.828292	30.113			16175.004	ug/L	15837.476	

79 Br	-1005.720518	4.916	16292.298	ug/L	35557.190
72 Ge			844507.969	ug/L	806434.181
108 Cd	0.195432	33.099	31.018	ug/L	4.692
114 Cd	0.031568	14.204	144.778	ug/L	5.763
109 Ag	0.010286	16.714	39.000	ug/L	7.667
115 In			819415.536	ug/L	779344.025
208 207.977	1.497424	2.399	15283.678	ug/L	223.336
207 Pb	1.499082	0.645	6369.651	ug/L	103.001
206 Pb	1.305272	0.193	7453.507	ug/L	119.001
169 Tm			542415.095	ug/L	486382.024
106 Pd	0.739728	9.777	117.334	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	102.503
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.721
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	105.142
Tl	205	
Pb	208	
Tm-1	169	111.520
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.721
Cd	108	
Cd	114	
Ag	109	
In	115	105.142
207.977	208	
Pb	207	
Pb	206	
Tm	169	111.520
Pd	106	

Sample ID: H8GK1  
Sample Description: G6F290300-9  
Batch ID: 6193489  
Sample Date/Time: Monday, July 17, 2006 21:22:48  
Method File: C:\elandata\Method\6193191.mth  
Dataset File: C:\elandata\Dataset\060717B1\H8GK1.059  
Tuning File: C:\elandata\Tuning\default.tun  
Optimization File: c:\elandata\Optimize\default.dac  
Autosampler Position: 56  
Number of Replicates: 3  
Dual Detector Mode: Dual  
Initial Sample Quantity (mg):  
Sample Prep Volume (mL):  
Aliquot Volume (mL):  
Diluted To Volume (mL):

### Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1061074.639	ug/L	1035979.525	
6 Li-1					531245.435	ug/L	517895.891	
9 Be	0.032422	26.170			12.333	ug/L	0.667	
27 Al	476.987285	1.774	2806480.450		ug/L	16546.635		
44 Ca	644.223399	0.290	194374.561		ug/L	16941.051		
51 V	4.236124	2.259	3467.720		ug/L	-40229.573		
52 Cr	0.764214	3.413	37109.865		ug/L	28466.564		
55 Mn	29.131362	0.242	437575.759		ug/L	1731.838		
54 Fe	520.428708	0.071	506535.997		ug/L	100632.136		
57 Fe	495.080753	0.332	179237.867		ug/L	16706.412		
59 Co	0.586158	3.087	7021.484		ug/L	70.334		
60 Ni	0.928473	0.230	2448.489		ug/L	96.227		
65 Cu	21.646326	0.050	52124.055		ug/L	118.329		
68 Zn	4.548882	6.158	6722.250		ug/L	2597.056		
75 As	0.873760	9.654	15748.333		ug/L	13310.662		
82 Se	0.375139	55.663	1452.091		ug/L	1314.299		
97 Mo	0.638929	2.247	1155.076		ug/L	15.667		
72 Ge-1			844301.404		ug/L	806434.181		
107 Ag	0.014059	14.157	145.335		ug/L	24.000		
111 Cd	0.047969	4.596	98.248		ug/L	9.169		
121 Sb	0.079976	3.608	519.682		ug/L	52.333		
135 Ba	7.860108	2.193	12295.968		ug/L	134.334		
115 In-1			812227.821		ug/L	779344.025		
205 Tl	0.039705	5.014	661.692		ug/L	44.333		
208 Pb	1.590647	0.412	31883.623		ug/L	445.338		
169 Tm-1			540057.399		ug/L	486382.024		
50 Cr	9.801364	4.186	1039.586		ug/L	-846.502		
53 Cr	-123.662298	3.124	42688.333		ug/L	144961.310		
61 Ni	-5.367346	21.064	1657.106		ug/L	1800.519		
63 Cu	21.884733	0.773	40779.023		ug/L	77.668		
67 Zn	-8.884067	13.999	1275.928		ug/L	1863.889		
66 Zn	4.531390	6.651	3202.642		ug/L	1133.878		
76 Se	10.255667	64.919	-109116.886		ug/L	-104694.433		
77 Se	-80.009955	1.009	3337.112		ug/L	13238.006		
78 Se	-1.139045	16.471	16018.019		ug/L	15837.476		

79 Br	-1015.319993	3.750	16095.373	ug/L	35557.190
72 Ge			844301.404	ug/L	806434.181
108 Cd	0.237667	24.820	36.328	ug/L	4.692
114 Cd	0.040048	3.192	180.392	ug/L	5.763
109 Ag	0.011955	16.860	43.667	ug/L	7.667
115 In			812227.821	ug/L	779344.025
208 207.977	1.651688	0.576	16757.030	ug/L	223.336
207 Pb	1.623929	2.010	6860.022	ug/L	103.001
206 Pb	1.456628	1.423	8266.571	ug/L	119.001
169 Tm			540057.399	ug/L	486382.024
106 Pd	0.982659	6.208	154.335	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	102.578
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.696
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.219
Tl	205	
Pb	208	
Tm-1	169	111.036
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.696
Cd	108	
Cd	114	
Ag	109	
In	115	104.219
207.977	208	
Pb	207	
Pb	206	
Tm	169	111.036
Pd	106	

**Sample ID: H8GK2**

Sample Description: G6F290300-10

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 21:27:09

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GK2.060

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 57

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1057549.790	ug/L	1035979.525	
6 Li-1					532348.000	ug/L	517895.891	
9 Be	0.019459	46.883			7.667	ug/L	0.667	
27 Al	250.720983	0.820			1481814.407	ug/L	16546.635	
44 Ca	613.478549	0.293			185733.921	ug/L	16941.051	
51 V	4.021056	3.035			1157.457	ug/L	-40229.573	
52 Cr	0.577981	10.289			35287.351	ug/L	28466.564	
55 Mn	13.599120	0.453			205001.684	ug/L	1731.838	
54 Fe	353.942750	1.194			377759.586	ug/L	100632.136	
57 Fe	337.088018	1.474			127470.533	ug/L	16706.412	
59 Co	0.563291	0.749			6742.931	ug/L	70.334	
60 Ni	0.832284	1.993			2202.818	ug/L	96.227	
65 Cu	28.233292	0.649			67869.091	ug/L	118.329	
68 Zn	4.838322	0.806			6969.441	ug/L	2597.056	
75 As	1.071374	8.619			16139.565	ug/L	13310.662	
82 Se	0.232076	56.506			1421.581	ug/L	1314.299	
97 Mo	0.759813	2.634			1368.774	ug/L	15.667	
72 Ge-1					843344.944	ug/L	806434.181	
107 Ag	0.017325	2.466			174.002	ug/L	24.000	
111 Cd	0.045676	14.549			94.329	ug/L	9.169	
121 Sb	0.097554	9.438			623.689	ug/L	52.333	
135 Ba	4.259881	3.021			6751.940	ug/L	134.334	
115 In-1					814923.402	ug/L	779344.025	
205 Tl	0.033489	3.460			557.684	ug/L	44.333	
208 Pb	1.506862	0.416			29790.521	ug/L	445.338	
169 Tm-1					532188.163	ug/L	486382.024	
50 Cr	7.566802	1.000			599.970	ug/L	-846.502	
53 Cr	-123.483190	3.589			42781.847	ug/L	144961.310	
61 Ni	-5.889014	26.465			1633.094	ug/L	1800.519	
63 Cu	28.399740	0.737			52833.206	ug/L	77.668	
67 Zn	-8.616347	19.359			1294.270	ug/L	1863.889	
66 Zn	4.915891	2.924			3369.816	ug/L	1133.878	
76 Se	23.592429	87.686			-108353.956	ug/L	-104694.433	
77 Se	-80.165086	1.372			3312.439	ug/L	13238.006	
78 Se	-0.821987	41.173			16155.970	ug/L	15837.476	

79 Br	-970.685095	3.743	17001.900	ug/L	35557.190
72 Ge			843344.944	ug/L	806434.181
108 Cd	0.245854	19.844	37.536	ug/L	4.692
114 Cd	0.034928	7.223	158.713	ug/L	5.763
109 Ag	0.013475	20.486	48.334	ug/L	7.667
115 In			814923.402	ug/L	779344.025
208 207.977	1.577232	0.406	15780.219	ug/L	223.336
207 Pb	1.560719	1.751	6502.083	ug/L	103.001
206 Pb	1.340837	0.790	7508.220	ug/L	119.001
169 Tm			532188.163	ug/L	486382.024
106 Pd	0.790065	5.190	125.001	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int: Std % Recovery

Sc	45	
Li-1	6	102.791
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.577
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.565
Tl	205	
Pb	208	
Tm-1	169	109.418
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.577
Cd	108	
Cd	114	
Ag	109	
In	115	104.565
207.977	208	
Pb	207	
Pb	206	
Tm	169	109.418
Pd	106	

BJones

**Sample ID: H8GK4**

Sample Description: G6F290300-11

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 21:31:31

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GK4.061

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 58

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1063203.472	ug/L	1035979.525
6 Li-1			533924.901	ug/L	517895.891
9 Be	0.012886	54.578	5.333	ug/L	0.667
27 Al	314.764885	0.467	1862893.123	ug/L	16546.635
44 Ca	739.931870	0.300	221204.232	ug/L	16941.051
51 V	4.056176	4.105	1539.532	ug/L	-40229.573
52 Cr	0.784443	5.690	37401.437	ug/L	28466.564
55 Mn	15.772850	0.833	238382.721	ug/L	1731.838
54 Fe	442.433586	0.380	447594.234	ug/L	100632.136
57 Fe	420.875641	0.630	155405.270	ug/L	16706.412
59 Co	0.456649	2.855	5501.397	ug/L	70.334
60 Ni	0.847633	1.209	2249.976	ug/L	96.227
65 Cu	22.317177	0.941	53877.194	ug/L	118.329
68 Zn	7.865059	1.321	9666.670	ug/L	2597.056
75 As	1.040916	3.352	16138.111	ug/L	13310.662
82 Se	0.161570	151.310	1412.481	ug/L	1314.299
97 Mo	0.766185	1.217	1385.443	ug/L	15.667
72 Ge-1			846541.825	ug/L	806434.181
107 Ag	0.015114	6.048	156.001	ug/L	24.000
111 Cd	0.058466	10.994	118.900	ug/L	9.169
121 Sb	0.155062	5.775	965.387	ug/L	52.333
135 Ba	7.585309	1.869	11987.875	ug/L	134.334
115 In-1			820142.218	ug/L	779344.025
205 Tl	0.030600	6.092	523.682	ug/L	44.333
208 Pb	1.646204	0.400	33135.751	ug/L	445.338
169 Tm-1			542598.711	ug/L	486382.024
50 Cr	8.639515	3.040	813.695	ug/L	-846.502
53 Cr	-122.812577	3.001	43547.484	ug/L	144961.310
61 Ni	-5.435551	33.127	1658.774	ug/L	1800.519
63 Cu	22.635916	0.752	42287.194	ug/L	77.668
67 Zn	-6.456339	18.379	1464.344	ug/L	1863.889
66 Zn	7.839570	2.276	4686.846	ug/L	1133.878
76 Se	7.991254	67.810	-109516.055	ug/L	-104694.433
77 Se	-79.635944	1.807	3395.129	ug/L	13238.006
78 Se	-0.877347	22.860	16190.254	ug/L	15837.476

Report Date/Time: Monday, July 17, 2006 21:33:36

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79 Br	-1004.476928	4.373	16363.392	ug/L	35557.190
72 Ge			846541.825	ug/L	806434.181
108 Cd	0.183516	101.914	29.340	ug/L	4.692
114 Cd	0.044330	12.864	201.104	ug/L	5.763
109 Ag	0.010486	20.201	39.667	ug/L	7.667
115 In			820142.218	ug/L	779344.025
208 207.977	1.707609	0.987	17397.947	ug/L	223.336
207 Pb	1.680620	1.796	7129.237	ug/L	103.001
206 Pb	1.510689	0.861	8608.566	ug/L	119.001
169 Tm			542598.711	ug/L	486382.024
106 Pd	0.941076	7.284	148.001	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	103.095
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.973
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	105.235
Tl	205	
Pb	208	
Tm-1	169	111.558
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.973
Cd	108	
Cd	114	
Ag	109	
In	115	105.235
207.977	208	
Pb	207	
Pb	206	
Tm	169	111.558
Pd	106	

**Sample ID: H8GK6**

Sample Description: G6F290300-12

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 21:35:53

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GK6.062

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 59

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1048870.727	ug/L	1035979.525
6 Li-1			528537.678	ug/L	517895.891
9 Be	0.021343	44.597	8.333	ug/L	0.667
27 Al	330.531546	2.746	1936192.095	ug/L	16546.635
44 Ca	673.273296	2.519	200904.595	ug/L	16941.051
51 V	4.206655	4.210	3153.476	ug/L	-40229.573
52 Cr	0.837434	7.377	37547.063	ug/L	28466.564
55 Mn	16.025945	2.796	239809.220	ug/L	1731.838
54 Fe	463.019613	2.822	459008.765	ug/L	100632.136
57 Fe	433.257460	3.334	157895.894	ug/L	16706.412
59 Co	0.476719	1.360	5685.180	ug/L	70.334
60 Ni	0.873627	1.801	2293.926	ug/L	96.227
65 Cu	20.308009	1.931	48564.943	ug/L	118.329
68 Zn	4.709928	8.225	6813.320	ug/L	2597.056
75 As	1.202190	32.428	16310.785	ug/L	13310.662
82 Se	0.568895	57.313	1480.458	ug/L	1314.299
97 Mo	0.684700	1.275	1228.086	ug/L	15.667
72 Ge-1			838595.615	ug/L	806434.181
107 Ag	0.012055	20.708	129.001	ug/L	24.000
111 Cd	0.059297	20.154	119.537	ug/L	9.169
121 Sb	0.374536	5.011	2240.620	ug/L	52.333
135 Ba	5.374585	1.577	8486.780	ug/L	134.334
115 In-1			815609.404	ug/L	779344.025
205 Tl	0.030769	1.382	522.682	ug/L	44.333
208 Pb	2.023350	2.982	40308.325	ug/L	445.338
169 Tm-1			538817.430	ug/L	486382.024
50 Cr	8.576191	3.496	793.127	ug/L	-846.502
53 Cr	-123.110756	2.725	42878.836	ug/L	144961.310
61 Ni	-4.967871	19.809	1662.442	ug/L	1800.519
63 Cu	20.527785	2.469	37983.108	ug/L	77.668
67 Zn	-8.648978	12.096	1284.932	ug/L	1863.889
66 Zn	4.963502	9.054	3372.157	ug/L	1133.878
76 Se	11.519979	360.362	-108339.153	ug/L	-104694.433
77 Se	-79.418929	2.259	3391.795	ug/L	13238.006
78 Se	-0.427619	267.030	16251.670	ug/L	15837.476

79 Br	-1010.397835	3.836	16086.697	ug/L	35557.190
72 Ge			838595.615	ug/L	806434.181
108 Cd	0.206808	32.603	32.463	ug/L	4.692
114 Cd	0.040328	8.746	182.273	ug/L	5.763
109 Ag	0.009453	5.990	36.334	ug/L	7.667
115 In			815609.404	ug/L	779344.025
208 207.977	2.114746	2.511	21326.959	ug/L	223.336
207 Pb	2.066284	3.416	8672.963	ug/L	103.001
206 Pb	1.827816	3.737	10308.402	ug/L	119.001
169 Tm			538817.430	ug/L	486382.024
106 Pd	0.945453	5.024	148.668	ug/L	4.667

### Internal Standard Recoveries

Analyte	Mass	Inf Std % Recovery
Sc	45	
Li-1	6	102.055
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.988
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.653
Tl	205	
Pb	208	
Tm-1	169	110.781
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.988
Cd	108	
Cd	114	
Ag	109	
In	115	104.653
207.977	208	
Pb	207	
Pb	206	
Tm	169	110.781
Pd	106	

BJones

**Sample ID: H8GK7**

Sample Description: G6F290300-13

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 21:40:15

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GK7.063

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 60

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1066644.361	ug/L	1035979.525
6 Li-1			532690.068	ug/L	517895.891
9 Be	0.023967	34.731	9.333	ug/L	0.667
27 Al	416.659139	0.196	2447716.341	ug/L	16546.635
44 Ca	691.692088	2.063	206864.394	ug/L	16941.051
51 V	4.238204	4.136	3479.961	ug/L	-40229.573
52 Cr	0.644974	7.176	35880.088	ug/L	28466.564
55 Mn	20.566447	0.432	308690.557	ug/L	1731.838
54 Fe	538.082367	1.473	518843.543	ug/L	100632.136
57 Fe	514.372261	0.718	185078.267	ug/L	16706.412
59 Co	0.905872	0.380	10784.642	ug/L	70.334
60 Ni	0.803234	3.373	2126.848	ug/L	96.227
65 Cu	26.657238	0.625	64001.148	ug/L	118.329
68 Zn	3.950128	2.676	6180.182	ug/L	2597.056
75 As	1.116709	16.688	16210.619	ug/L	13310.662
82 Se	0.384867	23.773	1450.546	ug/L	1314.299
97 Mo	0.686226	3.495	1236.421	ug/L	15.667
72 Ge-1			842216.111	ug/L	806434.181
107 Ag	0.016908	2.278	170.335	ug/L	24.000
111 Cd	0.045165	10.812	93.380	ug/L	9.169
121 Sb	0.117002	3.485	737.031	ug/L	52.333
135 Ba	6.427200	2.188	10109.838	ug/L	134.334
115 In-1			814599.847	ug/L	779344.025
205 Tl	0.029235	6.442	503.348	ug/L	44.333
208 Pb	1.525909	2.159	30805.480	ug/L	445.338
169 Tm-1			543647.570	ug/L	486382.024
50 Cr	9.815869	1.987	1040.119	ug/L	-846.502
53 Cr	-123.459826	3.311	42763.763	ug/L	144961.310
61 Ni	-5.183243	28.422	1661.109	ug/L	1800.519
63 Cu	26.828551	0.919	49847.079	ug/L	77.668
67 Zn	-9.388033	21.601	1234.913	ug/L	1863.889
66 Zn	4.101836	4.360	3004.444	ug/L	1133.878
76 Se	18.571891	153.390	-108452.785	ug/L	-104694.433
77 Se	-79.905685	1.082	3342.781	ug/L	13238.006
78 Se	-0.758716	48.263	16165.358	ug/L	15837.476

79 Br	-1033.454867	3.763	15679.513	ug/L	35557.190
72 Ge			842216.111	ug/L	806434.181
108 Cd	0.224738	34.440	34.698	ug/L	4.692
114 Cd	0.039388	3.454	178.088	ug/L	5.763
109 Ag	0.012381	22.235	45.000	ug/L	7.667
115 In			814599.847	ug/L	779344.025
208 207.977	1.587575	2.327	16222.028	ug/L	223.336
207 Pb	1.567055	2.690	6666.539	ug/L	103.001
206 Pb	1.384921	1.920	7916.914	ug/L	119.001
169 Tm			543647.570	ug/L	486382.024
106 Pd	0.895116	6.520	141.001	ug/L	4.667

### Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	102.857
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.437
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.524
Tl	205	
Pb	208	
Tm-1	169	111.774
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.437
Cd	108	
Cd	114	
Ag	109	
In	115	104.524
207.977	208	
Pb	207	
Pb	206	
Tm	169	111.774
Pd	106	

BJones

**Sample ID: H8GK8**

Sample Description: G6F290300-14

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 21:44:37

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GK8.064

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 61

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1060462.848	ug/L	1035979.525
6 Li-1			536273.201	ug/L	517895.891
9 Be	0.017339	71.625	7.000	ug/L	0.667
27 Al	235.031932	1.002	1404799.446	ug/L	16546.635
44 Ca	546.655851	0.716	169191.095	ug/L	16941.051
51 V	3.887018	3.181	-290.928	ug/L	-40229.573
52 Cr	0.436430	13.232	34292.070	ug/L	28466.564
55 Mn	11.899753	1.181	181495.748	ug/L	1731.838
54 Fe	345.833951	1.678	375426.815	ug/L	100632.136
57 Fe	329.657444	1.363	126360.572	ug/L	16706.412
59 Co	0.330362	0.990	4027.260	ug/L	70.334
60 Ni	0.627570	1.939	1703.425	ug/L	96.227
65 Cu	33.620613	0.729	81646.481	ug/L	118.329
68 Zn	6.813457	0.399	8797.421	ug/L	2597.056
75 As	1.045787	2.354	16256.325	ug/L	13310.662
82 Se	0.395140	60.783	1469.932	ug/L	1314.299
97 Mo	0.616860	2.546	1126.072	ug/L	15.667
72 Ge-1			852223.534	ug/L	806434.181
107 Ag	0.013420	7.107	141.334	ug/L	24.000
111 Cd	0.037088	27.164	78.966	ug/L	9.169
121 Sb	0.086395	2.804	562.351	ug/L	52.333
135 Ba	3.961642	2.871	6329.290	ug/L	134.334
115 In-1			820166.682	ug/L	779344.025
205 Tl	0.023045	6.549	403.343	ug/L	44.333
208 Pb	1.232305	0.428	24718.980	ug/L	445.338
169 Tm-1			538019.778	ug/L	486382.024
50 Cr	7.792182	7.977	651.066	ug/L	-846.502
53 Cr	-123.592834	3.272	43132.130	ug/L	144961.310
61 Ni	-5.401998	35.462	1671.448	ug/L	1800.519
63 Cu	34.219834	0.634	64316.162	ug/L	77.668
67 Zn	-7.132532	22.717	1421.658	ug/L	1863.889
66 Zn	7.105955	1.139	4388.746	ug/L	1133.878
76 Se	15.735334	136.652	-109876.016	ug/L	-104694.433
77 Se	-79.881637	1.998	3384.459	ug/L	13238.006
78 Se	-0.824281	56.069	16324.439	ug/L	15837.476

79 Br	-1060.907976	3.897	15284.020	ug/L	35557.190
72 Ge			852223.534	ug/L	806434.181
108 Cd	0.187462	27.359	29.931	ug/L	4.692
114 Cd	0.032909	4.396	150.785	ug/L	5.763
109 Ag	0.008620	14.889	34.000	ug/L	7.667
115 In			820166.682	ug/L	779344.025
208 207.977	1.285411	0.537	13046.721	ug/L	223.336
207 Pb	1.251703	1.254	5293.601	ug/L	103.001
206 Pb	1.122818	1.469	6378.658	ug/L	119.001
169 Tm			538019.778	ug/L	486382.024
106 Pd	0.636866	10.327	101.667	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	103.548
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	105.678
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	105.238
Tl	205	
Pb	208	
Tm-1	169	110.617
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	105.678
Cd	108	
Cd	114	
Ag	109	
In	115	105.238
207.977	208	
Pb	207	
Pb	206	
Tm	169	110.617
Pd	106	

BJones

**Sample ID: H8GLA**

Sample Description: G6F290300-15

Batch ID: 6193489

Sample Date/Time: Monday, July 17, 2006 21:48:59

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\H8GLA.065

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 62

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1070420.443	ug/L	1035979.525
6 Li-1			537720.030	ug/L	517895.891
9 Be	0.004517	93.050	2.333	ug/L	0.667
27 Al	9.833976	0.222	75657.020	ug/L	16546.635
44 Ca	248.334457	1.321	86773.829	ug/L	16941.051
51 V	3.264126	2.660	-7073.369	ug/L	-40229.573
52 Cr	0.202144	26.069	32084.720	ug/L	28466.564
55 Mn	0.748680	1.084	13155.883	ug/L	1731.838
54 Fe	18.862633	10.827	121217.736	ug/L	100632.136
57 Fe	9.788222	12.238	20915.968	ug/L	16706.412
59 Co	0.187377	3.175	2319.974	ug/L	70.334
60 Ni	0.365506	5.181	1036.138	ug/L	96.227
65 Cu	1.006532	2.282	2570.136	ug/L	118.329
68 Zn	0.045045	431.811	2789.446	ug/L	2597.056
75 As	0.716160	23.602	15591.747	ug/L	13310.662
82 Se	0.117735	163.890	1415.338	ug/L	1314.299
97 Mo	0.597703	3.719	1093.402	ug/L	15.667
72 Ge-1			853641.985	ug/L	806434.181
107 Ag	0.000521	169.544	30.000	ug/L	24.000
111 Cd	0.008420	85.437	25.633	ug/L	9.169
121 Sb	0.014083	14.254	139.001	ug/L	52.333
135 Ba	0.422681	5.081	808.371	ug/L	134.334
115 In-1			827262.826	ug/L	779344.025
205 Tl	0.004267	12.111	117.334	ug/L	44.333
208 Pb	0.126630	4.943	3051.209	ug/L	445.338
169 Tm-1			550680.772	ug/L	486382.024
50 Cr	4.501175	4.488	-1.801	ug/L	-846.502
53 Cr	-123.185332	2.909	43577.269	ug/L	144961.310
61 Ni	-5.284219	21.262	1679.118	ug/L	1800.519
63 Cu	1.043549	1.355	2044.335	ug/L	77.668
67 Zn	-13.371652	9.817	944.811	ug/L	1863.889
66 Zn	0.176989	123.236	1279.930	ug/L	1133.878
76 Se	1.892383	925.912	-110734.345	ug/L	-104694.433
77 Se	-79.291039	1.050	3469.148	ug/L	13238.006
78 Se	-0.700962	13.558	16414.388	ug/L	15837.476

79 Br	-1162.902402	3.782	13165.951	ug/L	35557.190
72 Ge			853641.985	ug/L	806434.181
108 Cd	0.099614	12.224	18.397	ug/L	4.692
114 Cd	0.005919	15.199	32.376	ug/L	5.763
109 Ag	0.000395	131.480	9.333	ug/L	7.667
115 In			827262.826	ug/L	779344.025
208 207.977	0.133760	6.142	1615.483	ug/L	223.336
207 Pb	0.126695	5.521	653.024	ug/L	103.001
206 Pb	0.113818	2.046	782.702	ug/L	119.001
169 Tm			550680.772	ug/L	486382.024
106 Pd	0.347978	29.493	57.667	ug/L	4.667

### Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	103.828
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	105.854
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	106.149
Tl	205	
Pb	208	
Tm-1	169	113.220
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	105.854
Cd	108	
Cd	114	
Ag	109	
In	115	106.149
207.977	208	
Pb	207	
Pb	206	
Tm	169	113.220
Pd	106	

BJones

**Sample ID: CCV 9**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 21:53:21

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCV 9.066

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1053311.693	ug/L	1035979.525
6 Li-1			534194.948	ug/L	517895.891
9 Be	93.063662	0.798	33617.792	ug/L	0.667
27 Al	X 4435.090171	0.496	25657030.369	ug/L	16546.635
44 Ca	4891.442401	0.386	1343486.193	ug/L	16941.051
51 V	98.615397	0.530	1007560.218	ug/L	-40229.573
52 Cr	98.616076	0.500	961588.414	ug/L	28466.564
55 Mn	94.080350	1.104	1393109.194	ug/L	1731.838
54 Fe	4722.772387	0.193	3703395.024	ug/L	100632.136
57 Fe	4688.451444	0.351	1531642.160	ug/L	16706.412
59 Co	96.719040	0.456	1133531.855	ug/L	70.334
60 Ni	96.362675	0.683	240996.170	ug/L	96.227
65 Cu	96.445572	0.380	229175.795	ug/L	118.329
68 Zn	90.680872	0.589	81589.293	ug/L	2597.056
75 As	96.340138	0.172	211392.527	ug/L	13310.662
82 Se	92.114455	0.273	19844.761	ug/L	1314.299
97 Mo	183.991192	0.563	324184.247	ug/L	15.667
72 Ge-1			834709.158	ug/L	806434.181
107 Ag	48.171531	0.967	399873.017	ug/L	24.000
111 Cd	95.308656	1.603	170780.871	ug/L	9.169
121 Sb	48.179469	0.151	271568.053	ug/L	52.333
135 Ba	98.111678	0.714	147189.000	ug/L	134.334
115 In-1			787101.833	ug/L	779344.025
205 Tl	50.404842	0.258	754573.264	ug/L	44.333
208 Pb	103.771223	0.722	1987683.575	ug/L	445.338
169 Tm-1			524093.726	ug/L	486382.024
50 Cr	109.197307	2.372	20337.828	ug/L	-846.502
53 Cr	83.798320	6.295	223135.056	ug/L	144961.310
61 Ni	86.527547	3.220	5496.164	ug/L	1800.519
63 Cu	97.095312	0.478	178588.952	ug/L	77.668
67 Zn	88.441530	1.042	8578.760	ug/L	1863.889
66 Zn	91.129682	0.556	41250.136	ug/L	1133.878
76 Se	78.238969	22.801	-104645.470	ug/L	-104694.433
77 Se	89.175665	2.240	25297.576	ug/L	13238.006
78 Se	93.059287	0.872	61863.291	ug/L	15837.476

79 Br	-22.713822	99.978	36337.751	ug/L	35557.190
72 Ge			834709.158	ug/L	806434.181
108 Cd	93.040049	2.416	11924.678	ug/L	4.692
114 Cd	95.723912	0.957	404006.702	ug/L	5.763
109 Ag	47.579193	0.960	137457.804	ug/L	7.667
115 In			787101.833	ug/L	779344.025
208 207.977	104.200558	1.108	1010918.245	ug/L	223.336
207 Pb	104.123443	0.942	419859.348	ug/L	103.001
206 Pb	102.740718	0.539	556905.981	ug/L	119.001
169 Tm			524093.726	ug/L	486382.024
106 Pd	99.408063	0.923	15145.430	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	103.147
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.506
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.995
Tl	205	
Pb	208	
Tm-1	169	107.754
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.506
Cd	108	
Cd	114	
Ag	109	
In	115	100.995
207.977	208	
Pb	207	
Pb	206	
Tm	169	107.754
Pd	106	

BJones

**Sample ID: CCB 9**

Sample Description:

Batch ID:

Sample Date/Time: Monday, July 17, 2006 21:57:43

Method File: C:\elandata\Method\6193191.mth

Dataset File: C:\elandata\Dataset\060717B1\CCB 9.067

Tuning File: C:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1057975.987	ug/L	1035979.525
6 Li-1			533211.627	ug/L	517895.891
9 Be	0.013836	70.774	5.667	ug/L	0.667
27 Al	0.765222	3.998	21656.102	ug/L	16546.635
44 Ca	-14.417849	7.054	13691.705	ug/L	16941.051
51 V	1.542605	9.761	-25351.494	ug/L	-40229.573
52 Cr	0.085977	77.539	30421.463	ug/L	28466.564
55 Mn	0.010866	33.544	1962.553	ug/L	1731.838
54 Fe	-1.891273	48.651	103219.336	ug/L	100632.136
57 Fe	1.653657	68.850	17911.054	ug/L	16706.412
59 Co	0.014966	6.238	249.337	ug/L	70.334
60 Ni	0.006235	6.268	115.754	ug/L	96.227
65 Cu	0.013236	25.185	154.638	ug/L	118.329
68 Zn	-0.988842	8.122	1837.193	ug/L	2597.056
75 As	0.323542	71.302	14510.311	ug/L	13310.662
82 Se	0.131872	96.814	1393.483	ug/L	1314.299
97 Mo	0.478680	23.002	862.377	ug/L	15.667
72 Ge-1			838809.520	ug/L	806434.181
107 Ag	0.021233	3.630	204.002	ug/L	24.000
111 Cd	0.010464	81.213	28.514	ug/L	9.169
121 Sb	0.041594	8.859	292.338	ug/L	52.333
135 Ba	0.017440	40.275	164.668	ug/L	134.334
115 In-1			801078.607	ug/L	779344.025
205 Tl	0.129818	16.570	2008.901	ug/L	44.333
208 Pb	0.013641	17.104	747.679	ug/L	445.338
169 Tm-1			528723.356	ug/L	486382.024
50 Cr	1.087323	11.173	-668.039	ug/L	-846.502
53 Cr	-45.104931	7.233	111230.953	ug/L	144961.310
61 Ni	-7.062628	22.231	1574.397	ug/L	1800.519
63 Cu	0.013454	35.317	105.668	ug/L	77.668
67 Zn	-2.371498	60.539	1758.829	ug/L	1863.889
66 Zn	-1.045287	19.190	718.083	ug/L	1133.878
76 Se	22.226301	55.161	-107838.220	ug/L	-104694.433
77 Se	-23.457950	3.373	10703.915	ug/L	13238.006
78 Se	-0.788633	47.278	16084.716	ug/L	15837.476

79 Br	-66.436533	79.618	35602.642	ug/L	35557.190
72 Ge			838809.520	ug/L	806434.181
108 Cd	0.001962	694.402	5.075	ug/L	4.692
114 Cd	0.021932	17.569	100.238	ug/L	5.763
109 Ag	0.019303	10.877	64.667	ug/L	7.667
115 In			801078.607	ug/L	779344.025
208 207.977	0.015110	33.093	390.675	ug/L	223.336
207 Pb	0.009767	29.170	151.668	ug/L	103.001
206 Pb	0.013895	17.477	205.336	ug/L	119.001
169 Tm			528723.356	ug/L	486382.024
106 Pd	0.015320	171.429	7.000	ug/L	4.667

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	102.957
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	104.015
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	102.789
Tl	205	
Pb	208	
Tm-1	169	108.705
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	104.015
Cd	108	
Cd	114	
Ag	109	
In	115	102.789
207.977	208	
Pb	207	
Pb	206	
Tm	169	108.705
Pd	106	

**Mercury**

## STL Sacramento

## RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA)

Instrument: STL2 (H03)

Reported: 07/18/06 08:34:00

Sequence: 17JUL06B

Date: 07/17/06 18:00

Analyst: phomsophat

ICV:

CAL/CCV:

# Sample ID Lot No. Batch Matrix Raw DF Result Units %R Analyzed Date

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
1	Std01Rep1				0.00	1.0	0.00	ug/L		07/17/06 18:00		
2	Std02Rep1	= 0.200			0.00	1.0	0.00	ug/L		07/17/06 18:01		
3	Std03Rep1	= 0.500			0.00	1.0	0.00	ug/L		07/17/06 18:03		
4	Std04Rep1	= 1.00			0.00	1.0	0.00	ug/L		07/17/06 18:05		
5	Std05Rep1	= 5.00			0.00	1.0	0.00	ug/L		07/17/06 18:07		
6	Std06Rep1	= 10.0			0.00	1.0	0.00	ug/L		07/17/06 18:08		
7	ICV	= 2.00			1.97	1.0	1.97	ug/L	98.5%	07/17/06 18:18		
8	ICB				0.01	1.0	0.01	ug/L		07/17/06 18:20		
9	H9E0DB	G6G160000	6197510		0.07	1.0	0.04	ug/L		07/17/06 18:22		
10	H9E0DC	G6G160000 = T:80	6197510		1.07	1.0	0.64	ug/L	35.7%	07/17/06 18:23	(S7).	
11	H9E0DL	G6G160000 = 1.80	6197510		1.03	1.0	0.62	ug/L	34.3%	07/17/06 18:25	(S3).	
12	H9E0FB	G6G160000	6197511		0.06	1.0	0.03	ug/L		07/17/06 18:27		
13	H9E0FC	G6G160000 = 1.80	6197511		1.04	1.0	0.62	ug/L	34.7%	07/17/06 18:29	(S7).	
14	H9E0FL	G6G160000 = 1.80	6197511		1.08	1.0	0.65	ug/L	36.0%	07/17/06 18:30	108%.	
15	H8GKJ	G6F290300-1	6197510	AIR	0.17	1.0	0.10	ug/L		07/17/06 18:32		
16	H8GKL	G6F290300-2	6197510	AIR	0.18	1.0	0.11	ug/L		07/17/06 18:34		
17	H8GKM	G6F290300-3	6197510	AIR	0.22	1.0	0.13	ug/L		07/17/06 18:35		
18	H8GKQ	G6F290300-4	6197510	AIR	0.20	1.0	0.12	ug/L		07/17/06 18:37		
19	CCV	= 5.00			4.90	1.0	4.90	ug/L	98.0%	07/17/06 18:39		
20	CCB				0.04	1.0	0.04	ug/L		07/17/06 18:41		
21	H8GKR	G6F290300-5	6197510	AIR	0.22	1.0	0.13	ug/L		07/17/06 18:43		
22	H8GKV	G6F290300-6	6197510	AIR	0.35	1.0	0.21	ug/L		07/17/06 18:44		
23	H8GKW	G6F290300-7	6197510	AIR	0.28	1.0	0.17	ug/L		07/17/06 18:46		
24	H8GKX	G6F290300-8	6197510	AIR	0.18	1.0	0.11	ug/L		07/17/06 18:48		
25	H8GK1	G6F290300-9	6197510	AIR	0.26	1.0	0.15	ug/L		07/17/06 18:50		
26	H8GK2	G6F290300-10	6197510	AIR	0.25	1.0	0.15	ug/L		07/17/06 18:52		
27	H8GK4	G6F290300-11	6197510	AIR	0.31	1.0	0.18	ug/L		07/17/06 18:54		
28	H8GK6	G6F290300-12	6197510	AIR	0.30	1.0	0.18	ug/L		07/17/06 18:55		
29	H8GK7	G6F290300-13	6197510	AIR	0.33	1.0	0.20	ug/L		07/17/06 18:57		
30	H8GK8	G6F290300-14	6197510	AIR	0.33	1.0	0.20	ug/L		07/17/06 18:59		
31	CCV	= 5.00			4.80	1.0	4.80	ug/L	96.0%	07/17/06 19:00		
32	CCB				0.15	1.0	0.15	ug/L		07/17/06 19:03		
33	H8GLA	G6F290300-15	6197510	AIR	0.28	1.0	0.17	ug/L		07/17/06 19:04		
34	H8QTL	G6G060239-1	6197511	AIR	0.46	1.0	0.27	ug/L		07/17/06 19:06		

View Page 1 of 2

## STL Sacramento

Method: CVHG - Mercury (Mercury by Cold Vapor AA)

Sequence: 17JUL06B Date: 07/17/06 18:00

Reported: 07/18/06 08:34:00

Instrument: STL2 (H03)

ICV: \_\_\_\_\_ CAL/CCV: \_\_\_\_\_

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
35	H8QTN	G6G060239-2	6197511	AIR	0.46	1.0	0.28	ug/L		07/17/06 19:08		
36	H8QTQ	G6G060239-3	6197511	AIR	0.43	1.0	0.26	ug/L		07/17/06 19:10		
37	H8QTJ	G6G060239-4	6197511	AIR	0.47	1.0	0.28	ug/L		07/17/06 19:12		
38	H8QTV	G6G060239-5	6197511	AIR	0.44	1.0	0.26	ug/L		07/17/06 19:13		
39	H8QTW	G6G060239-6	6197511	AIR	0.48	1.0	0.29	ug/L		07/17/06 19:15		
40	H8QTX	G6G060239-7	6197511	AIR	0.36	1.0	0.22	ug/L		07/17/06 19:17		
41	H8QT1	G6G060239-8	6197511	AIR	0.48	1.0	0.29	ug/L		07/17/06 19:19		
42	H8QT2	G6G060239-9	6197511	AIR	0.72	1.0	0.43	ug/L		07/17/06 19:21		
43	CCV	= 5.00			4.71	1.0	4.71	ug/L	94.2%	07/17/06 19:23		
44	CCB				0.11	1.0	0.11	ug/L		07/17/06 19:25		
45	H8QT3	G6G060239-10	6197511	AIR	0.80	1.0	0.48	ug/L		07/17/06 19:27		
46	H8QT5	G6G060239-11	6197511	AIR	0.49	1.0	0.29	ug/L		07/17/06 19:29		
47	H8QT6	G6G060239-12	6197511	AIR	0.45	1.0	0.27	ug/L		07/17/06 19:30		
48	H8QT7	G6G060239-13	6197511	AIR	0.41	1.0	0.25	ug/L		07/17/06 19:32		
49	H8QT8	G6G060239-14	6197511	AIR	0.37	1.0	0.22	ug/L		07/17/06 19:34		
50	H8QT9	G6G060239-15	6197511	AIR	0.44	1.0	0.26	ug/L		07/17/06 19:36		
51	CCV	= 5.00			4.71	1.0	4.71	ug/L	94.2%	07/17/06 19:37		
52	CCB				0.13	1.0	0.13	ug/L		07/17/06 19:39		

## STL Sacramento

Method: CVHG - Mercury (Mercury by Cold Vapor AA)

Instrument: STL2 (H03)

CALIBRATION CHECK SUMMARY

Sequence: 17JUL06B Date: 07/17/06 18:18 Analyst: phomsophat

Reported: 07/18/06 08:34:09

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	ICV:	CAL/CCV:	Comment	Q
7	ICV	= 2.00					1.97	1.0	1.97 ug/L	98.5%	07/17/06 18:18			
8	ICB	=					0.01	1.0	0.01 ug/L		07/17/06 18:20			
19	CCV	= 5.00					4.90	1.0	4.90 ug/L	98.0%	07/17/06 18:39			
20	CCB	=					0.04	1.0	0.04 ug/L		07/17/06 18:41			
31	CCV	= 5.00					4.80	1.0	4.80 ug/L	96.0%	07/17/06 19:00			
32	CCB	=					0.15	1.0	0.15 ug/L		07/17/06 19:03			
43	CCV	= 5.00					4.71	1.0	4.71 ug/L	94.2%	07/17/06 19:23			
44	CCB	=					0.11	1.0	0.11 ug/L		07/17/06 19:25			
51	CCV	= 5.00					4.71	1.0	4.71 ug/L	94.2%	07/17/06 19:37			
52	CCB	=					0.13	1.0	0.13 ug/L		07/17/06 19:39			

RN↓ RN↑



Protocol STL2

Dataset/Proto 17JUL06B/STL2

Protocol Line info Cal Curve Report Ctrl Chart Viewer

Preset

Calib Coeffs

A

μ Abs

31897

B 3.15193e-4

C -4.46877e-2

Rho 999996

Accepted

Type Linear

Accept

Calibrated

Accepted

New

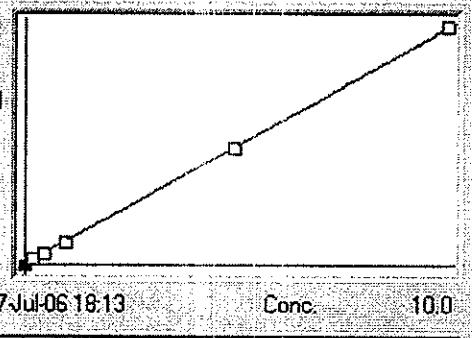
Update Coeffs

Spike Coeffs

Include S1 Rep 1  2  3  4  5 

17-Jul-06 18:13

Conc. 10.0



S.	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	0.0000	.009	.009	172	0%	171		
02	.20000	.209	.009	806	0%	805		
03	.50000	.502	.002	1737	0%	1736		
04	1.0000	.986	-.014	3271	0%	3271		
05	5.0000	4.98	-.016	15955	0%	15954		
06	10.000	10.0	.009	31898	0%	31897		

CAP NUM

Ready

CHEMIST INITIAL: TP  
 DATE OF RUN: 7/17/06  
 INSTRUMENT ID.: HC3  
 TYPE OF ANALYSIS: Hg  
 CALIBRATION STD.: 1767-21-15  
 ICV STD.: 1767-21-14  
 CCV STD.: 1767-21-15

STL Sacramento

Folder: 17JUL06B  
Protocol: STL2  
\*\*\*POST-RUN REPORT\*\*\*

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq:	1	18:00:14	17 Jul 06	HG
Hg	.000	ug/L	171					
*** Standard: 2 Rep: 1				Seq:	2	18:01:52	17 Jul 06	HG
Hg	.200	ug/L	805					
*** Standard: 3 Rep: 1				Seq:	3	18:03:28	17 Jul 06	HG
Hg	.500	ug/L	1736					
*** Standard: 4 Rep: 1				Seq:	4	18:05:20	17 Jul 06	HG
Hg	1.00	ug/L	3271					
*** Standard: 5 Rep: 1				Seq:	5	18:07:00	17 Jul 06	HG
Hg	5.00	ug/L	15954					
*** Standard: 6 Rep: 1				Seq:	6	18:08:39	17 Jul 06	HG
Hg	10.0	ug/L	31897					

STL Sacramento

Folder: 17JUL06B  
Protocol: STL2  
\*\*\*POST-RUN REPORT\*\*\*

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq:	1	18:00:14	17 Jul 06	HG
Hg	.000	ug/L		171				
*** Standard: 2 Rep: 1				Seq:	2	18:01:52	17 Jul 06	HG
Hg	.200	ug/L		805				
*** Standard: 3 Rep: 1				Seq:	3	18:03:28	17 Jul 06	HG
Hg	.500	ug/L		1736				
*** Standard: 4 Rep: 1				Seq:	4	18:05:20	17 Jul 06	HG
Hg	1.00	ug/L		3271				
*** Standard: 5 Rep: 1				Seq:	5	18:07:00	17 Jul 06	HG
Hg	5.00	ug/L		15954				
*** Standard: 6 Rep: 1				Seq:	6	18:08:39	17 Jul 06	HG
Hg	10.0	ug/L		31897				
*** Sample ID: ICV				Seq:	7	18:18:37	17 Jul 06	HG
Hg	1.97	ug/L		.000 % 1.97				
*** Sample ID: ICB				Seq:	8	18:20:12	17 Jul 06	HG
Hg	.011	ug/L		.000 % .011				
*** Sample ID: H9E0DB				Seq:	9	18:22:08	17 Jul 06	HG
Hg	.070	ug/L		.000 % .070				
*** Sample ID: H9E0DC				Seq:	10	18:23:46	17 Jul 06	HG
Hg	1.07	ug/L		.000 % 1.07				
*** Sample ID: H9E0DL				Seq:	11	18:25:22	17 Jul 06	HG
Hg	1.03	ug/L		.000 % 1.03				
*** Sample ID: H9E0FB				Seq:	12	18:27:29	17 Jul 06	HG
Hg	.056	ug/L		.000 % .056				
*** Sample ID: H9E0FC				Seq:	13	18:29:07	17 Jul 06	HG
Hg	1.04	ug/L		.000 % 1.04				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
------	-------	-------	--------	---	---	---	---	---

\*\*\* Sample ID: H9E0FL Seq: 14 18:30:47 17 Jul 06 HG  
G6G160000-511  
Hg 1.08 ug/L .000 % 1.08 108/. =

\*\*\* Sample ID: H8GKJ Seq: 15 18:32:33 17 Jul 06 HG  
G6F290300-1  
Hg .166 ug/L .000 % .166 =

\*\*\* Sample ID: H8GKL Seq: 16 18:34:10 17 Jul 06 HG  
G6F290300-2  
Hg .184 ug/L .000 % .184 =

\*\*\* Sample ID: H8GKM Seq: 17 18:35:53 17 Jul 06 HG  
G6F290300-3  
Hg .220 ug/L .000 % .220 =

\*\*\* Sample ID: H8GKQ Seq: 18 18:37:33 17 Jul 06 HG  
G6F290300-4  
Hg .196 ug/L .000 % .196 =

\*\*\* Sample ID: CCV Seq: 19 18:39:30 17 Jul 06 HG  
Hg 4.90 ug/L .000 % 4.90 98/. =

\*\*\* Sample ID: CCB Seq: 20 18:41:29 17 Jul 06 HG  
Hg .035 ug/L .000 % .035 =

\*\*\* Sample ID: H8GKR Seq: 21 18:43:06 17 Jul 06 HG  
G6F290300-5  
Hg .224 ug/L .000 % .224 =

\*\*\* Sample ID: H8GKV Seq: 22 18:44:54 17 Jul 06 HG  
G6F290300-6  
Hg .355 ug/L .000 % .355 =

\*\*\* Sample ID: H8GKW Seq: 23 18:46:30 17 Jul 06 HG  
G6F290300-7  
Hg .283 ug/L .000 % .283 =

\*\*\* Sample ID: H8GKX Seq: 24 18:48:18 17 Jul 06 HG  
G6F290300-8  
Hg .182 ug/L .000 % .182 =

\*\*\* Sample ID: H8GK1 Seq: 25 18:50:06 17 Jul 06 HG  
G6F290300-9  
Hg .256 ug/L .000 % .256 =

STL Sacramento

Folder: 17JUL06B

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Protocol: STL2

\*\*\*POST-RUN REPORT\*\*\*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
------	-------	-------	--------	---	---	---	---	---

\*\*\* Sample ID: H8GK2 Seq: 26 18:52:35 17 Jul 06 HG  
G6F290300-10  
Hg .255 ug/L .000 % .255

\*\*\* Sample ID: H8GK4 Seq: 27 18:54:12 17 Jul 06 HG  
G6F290300-11  
Hg .307 ug/L .000 % .307

\*\*\* Sample ID: H8GK6 Seq: 28 18:55:51 17 Jul 06 HG  
G6F290300-12  
Hg .303 ug/L .000 % .303

\*\*\* Sample ID: H8GK7 Seq: 29 18:57:28 17 Jul 06 HG  
G6F290300-13  
Hg .329 ug/L .000 % .329

\*\*\* Sample ID: H8GK8 Seq: 30 18:59:18 17 Jul 06 HG  
G6F290300-14  
Hg .334 ug/L .000 % .334

\*\*\* Sample ID: CCV Seq: 31 19:00:56 17 Jul 06 HG  
Hg 4.80 ug/L .000 % 4.80

961

\*\*\* Sample ID: CCB Seq: 32 19:03:06 17 Jul 06 HG  
Hg .154 ug/L .000 % .154

\*\*\* Sample ID: H8GLA Seq: 33 19:04:54 17 Jul 06 HG  
G6F290300-15  
Hg .285 ug/L .000 % .285

\*\*\* Sample ID: H8QTL Seq: 34 19:06:32 17 Jul 06 HG  
G6G060239-1  
Hg .457 ug/L .000 % .457

\*\*\* Sample ID: H8QTN Seq: 35 19:08:24 17 Jul 06 HG  
G6G060239-2  
Hg .463 ug/L .000 % .463

\*\*\* Sample ID: H8QTQ Seq: 36 19:10:17 17 Jul 06 HG  
G6G060239-3  
Hg .434 ug/L .000 % .434

\*\*\* Sample ID: H8QTT Seq: 37 19:12:04 17 Jul 06 HG  
G6G060239-4  
Hg .466 ug/L .000 % .466

STL Sacramento

Folder: 17JUL06B  
Protocol: STL2  
\*\*\*POST-RUN REPORT\*\*\*

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
------	-------	-------	--------	---	---	---	---	---

\*\*\* Sample ID: H8QTV Seq: 38 19:13:52 17 Jul 06 HG  
G6G060239-5  
Hg .436 ug/L .000 % .436

\*\*\* Sample ID: H8QTW Seq: 39 19:15:33 17 Jul 06 HG  
G6G060239-6  
Hg .483 ug/L .000 % .483

\*\*\* Sample ID: H8QTX Seq: 40 19:17:14 17 Jul 06 HG  
G6G060239-7  
Hg .361 ug/L .000 % .361

\*\*\* Sample ID: H8QT1 Seq: 41 19:19:31 17 Jul 06 HG  
G6G060239-8  
Hg .476 ug/L .000 % .476

\*\*\* Sample ID: H8QT2 Seq: 42 19:21:49 17 Jul 06 HG  
G6G060239-9  
Hg .719 ug/L .000 % .719

\*\*\* Sample ID: CCV Seq: 43 19:23:48 17 Jul 06 HG  
Hg 4.71 ug/L .000 % 4.71 *q41*

\*\*\* Sample ID: CCB Seq: 44 19:25:38 17 Jul 06 HG  
Hg .114 ug/L .000 % .114

\*\*\* Sample ID: H8QT3 Seq: 45 19:27:27 17 Jul 06 HG  
G6G060239-10  
Hg .800 ug/L .000 % .800

\*\*\* Sample ID: H8QT5 Seq: 46 19:29:04 17 Jul 06 HG  
G6G060239-11  
Hg .490 ug/L .000 % .490

\*\*\* Sample ID: H8QT6 Seq: 47 19:30:54 17 Jul 06 HG  
G6G060239-12  
Hg .454 ug/L .000 % .454

\*\*\* Sample ID: H8QT7 Seq: 48 19:32:42 17 Jul 06 HG  
G6G060239-13  
Hg .411 ug/L .000 % .411

\*\*\* Sample ID: H8QT8 Seq: 49 19:34:19 17 Jul 06 HG  
G6G060239-14  
Hg .374 ug/L .000 % .374

STL Sacramento

Folder: 17JUL06B

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Protocol: STL2

\*\*\*POST-RUN REPORT\*\*\*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
------	-------	-------	--------	---	---	---	---	---

\*\*\* Sample ID: H8QT9 Seq: 50 19:36:03 17 Jul 06 HG  
G6G060239-15  
Hg .441 ug/L .000 % .441

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\*\*\* Sample ID: CCV Seq: 51 19:37:51 17 Jul 06 HG  
Hg 4.71 ug/L .000 % 4.71 94-1.

=====

\*\*\* Sample ID: CCB Seq: 52 19:39:32 17 Jul 06 HG  
Hg .130 ug/L .000 % .130

STL Sacramento  
Hg Data Review Checklist

SEVERN  
TRENT

STL

Run Date: 7/17/06 Analyst: TP Instrument: H03

Prep Batches Run: 6197510/6197511

Circle Methods Used: 7470A / 245.1

7471 / 245.5

	Yes	No	N/A	2ndLevel
A. Calibration/Instrument Run QC				
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			-
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			-
3. ICB/CCB analyzed at appropriate frequency and within ± RL?	✓			-
B. Sample Results				
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed?		✓		-
2. All reported results bracketed by in control QC?	✓			-
3. Sample analyses done within holding time?	✓			-
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			-
2. Method blank done per prep batch and < RL?	✓			-
3. MS run at required frequency and within limits?		✓		-
4. MSD or DU run at required frequency and RPD within SOP limits?		✓		-
D. Other				
1. Are all nonconformances documented appropriately?		✓	✓	
2. Current IDL/MDL data on file?	✓			-
3. Calculations and transcriptions checked for error?	✓			-
4. All client / project specific requirements met?	✓			-
5. Date of analysis verified as correct?	✓			-

Analyst: TP Date: 7/18/06

Comments:

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2<sup>nd</sup> Level Reviewer: MTD Date: 7/18/06

Comments:

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## **Sample Preparation Log**

**STL SACRAMENTO**  
**Metals - Air Toxics - Preparation Log**

Date: 13-Jul-06

Analyst: merrittn

Matrix: AIR

Fraction: Filter

SOP:

Method: ICPTRACE

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6G120000	490	H842MB	2A	NA	NA	NA	100	6193490	1.2
G6G120000	490	H842MC	2A	NA	NA	NA	100	6193490	1.2
G6G120000	490	H842ML	2A	NA	NA	NA	100	6193490	1.2
G6F290300	1	H8GKJ	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	2	H8GKL	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	3	H8GKM	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	4	H8GKQ	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	5	H8GKR	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	6	H8GKV	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	7	H8GKW	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	8	H8GKX	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	9	H8GK1	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	10	H8GK2	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	11	H8GK4	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	12	H8GK6	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	13	H8GK7	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	14	H8GK8	2A	9	0.75	0.75	100	6193490	1.2
G6F290300	15	H8GLA	2A	9	0.75	0.75	100	6193490	1.2
MB control	1	F1815158	2A	9	0.75	0.75	100	6193490	1.2

For 1" filter: factor = 9 (9/1)  
For 0.75" filter factor = 12 (9/0.75)

G6F290300

STL Sacramento (916) 373 - 5600

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STL Sacramento  
Metals Preparation Spiking  
Documentation Form

SEVERN  
TRENT

STL

Lot # 66F290300

Batch Number: 619349D Method: 6010 Spiked Date: 07/12/06  
 MS Run #: N/A Prep Code: 2-A Hot Plate  
 Analyst Initial/Date: 07/12/06 Witness Initial/Date: MC/07/13/06 Microwave ID: 4  
 Hot Plate Temp: 90

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
✓	ICP Part 1 5% HNO <sub>3</sub>	Ca, Mg Al, As, Ba, Se, Sb, Tl Fe, Mo, Ti Sb, Co, Pb, Mn, Ni, V, Zn Cu Cr , Be, Cd Ag	5,000 200 100 50 25 20 5 5	1774-Mei-7-5	1.0 mL	N/A	11/06
✓	ICP Part 2 2% HNO <sub>3</sub>	K, Na P, S B, Li, Sr	5,000 1,000 100	1774-Mei-7-10	1.0 mL	N/A	11/06
	Si H2O/Tr HF	Si	1,000				
	XCAL-45 5% HNO <sub>3</sub>	Al, K, Mg, Ca, Na, Fe, P, B, Si As, Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Se, U, V, Zn, Ba, Li, Sn, Sr, Ti Sb, Ag, Tl	50 10 2.5				
	Misc. Elements					07/13/06 N/A	

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO <sub>3</sub>	Mallinckrodt	C16035		30% H <sub>2</sub> O <sub>2</sub>	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	07/13/06 N/A

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.

ICPMS matrix spike and LCS: For final volumes of 100ml, add 2ml of XCAL-45.

Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

**STL SACRAMENTO**  
**Metals - Air Toxics - Preparation Log**

Date: 13-Jul-06

Analyst: merrittn

Matrix: AIR

Fraction: Filter

SOP:

Method: ICPMS

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6G120000	489	H8411B	2A	NA	NA	NA	100	6193489	1.2
G6G120000	489	H8411C	2A	NA	NA	NA	100	6193489	1.2
G6G120000	489	H8411L	2A	NA	NA	NA	100	6193489	1.2
G6F290300	1	H8GKJ	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	2	H8GKL	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	3	H8GKM	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	4	H8GKQ	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	5	H8GKR	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	6	H8GKV	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	7	H8GKW	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	8	H8GKX	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	9	H8GK1	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	10	H8GK2	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	11	H8GK4	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	12	H8GK6	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	13	H8GK7	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	14	H8GK8	2A	9	0.75	0.75	100	6193489	1.2
G6F290300	15	H8GLA	2A	9	0.75	0.75	100	6193489	1.2
MB control	1	F1815158	2A	9	0.75	0.75	100	6193489	1.2

For 1" filter: factor = 9 (9/1)

For 0.75" filter factor = 12 (9/0.75)

Page 1 of 1  
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STL Sacramento  
Metals Preparation Spiking  
Documentation Form

SEVERN  
TRENT

STL

Lot # G6F290300

Batch Number: 6193489 Method: 6020 Spiked Date: 07/12/06  
 MS Run #: N/A Prep Code: Z A Hot Plate: 4  
 Analyst Initial/Date: 07/12/06 N/A Witness Initial/Date: MC/07/12/06 Microwave ID: \_\_\_\_\_  
 Hot Plate Temp: 90

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO <sub>3</sub>	Ca, Mg Al, As, Ba, Sc, Sn, Tl Fe, Mo, Ti Sb, Co, Pb, Mn, Ni, V, Zn Cu Cr .Be, Cd Ag	5,000 200 100 50 25 20 5 5				
	ICP Part 2 2% HNO <sub>3</sub>	K, Na P, S B, Li, Sr	5,000 1,000 100				
	Si H2O/Tr HF	Si	1,000				07/13/06 N/A
	XCAL-45 5% HNO <sub>3</sub>	Al, K, Mg, Ca, Na, Fe, P, B, Si As, Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Sc, U, V, Zn, Ba, Li, Sn, Sr, Ti Sb, Ag, Tl	50 10 2.5	1774-1uct 7-8	2.0 mL	N/A	11/07
	Misc. Elements						

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO <sub>3</sub>	Mallinckrodt	C16035		30% H <sub>2</sub> O <sub>2</sub>	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	07/13/06 N/A

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.

ICPMS matrix spike and LCS: For final volumes of 100ml, add 2ml of XCAL-45.

Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

**STL Sacramento**  
**Mercury Sample Preparation Log**

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	Phomsophat	Date:	07/13/06
0	Std1Rep1	<2	AQUEOUS	50	50	SOP#:	SAC-MT-0005		
0.2	Std2Rep1	<2	AQUEOUS	50	50	Autoclave:	Start Time:	14:00	15:00
0.5	Std3Rep1	<2	AQUEOUS	50	50	Balance ID:	QA-007		
1	Std4Rep1	<2	AQUEOUS	50	50	<b>STANDARDS:</b>			
5	Std5Rep1	<2	AQUEOUS	50	50	<b>Initial Calibration Standard (ICV)</b>			
10	Std6Rep1	<2	AQUEOUS	50	50	Tracking#1767-21-14		Conc:	100ppb
ICV	ICV	<2	AQUEOUS	50	50	<b>Calibration Stds./CCV/Matrix Spike/LCSW</b>			
ICB	ICB	<2	AQUEOUS	50	50	Tracking#1767-21-15		Conc:	100ppb
G6G160000-510	H9E0DB	N/A	AQUEOUS	50	50				
G6G160000-510	H9E0DC	N/A	AQUEOUS	50	50				
G6G160000-510	H9E0DL	N/A	AQUEOUS	50	50				
G6F290300-1	H8GKJ	N/A	AIR	0.75	50				
G6F290300-2	H8GKL	N/A	AIR	0.75	50	<b>SOILS (0.6g/50ml)</b>			
G6F290300-3	H8GKM	N/A	AIR	0.75	50	<b>WATER (30/30ml) , DI Leach (30/30)</b>			
G6F290300-4	H8GKQ	N/A	AIR	0.75	50	<b>STLC (3/30 ml) , TCLP (6/30ml)</b>			
G6F290300-5	H8GKR	N/A	AIR	0.75	50	Curve/QC (ppb)	Spike Volume		
G6F290300-6	H8GKV	N/A	AIR	0.75	50	Conc	Waters/Soils		
G6F290300-7	H8GKW	N/A	AIR	0.75	50	0.0	0.0 ul/0.0ul		
G6F290300-8	H8GKX	N/A	AIR	0.75	50	0.2	60 ul/100ul		
G6F290300-9	H8GK1	N/A	AIR	0.75	50	0.5	150 ul/250ul		
G6F290300-10	H8GK2	N/A	AIR	0.75	50	1.0	300 ul/0.5ml		
G6F290300-11	H8GK4	N/A	AIR	0.75	50	5.0	1.5 ml/2.5ml		
G6F290300-12	H8GK6	N/A	AIR	0.75	50	10.0	3.0 ml/5.0ml		
G6F290300-13	H8GK7	N/A	AIR	0.75	50	CCV/5.0	1.5 ml/2.5ml		
G6F290300-14	H8GK8	N/A	AIR	0.75	50	LCS/1.0	300 ul/0.5ml		
G6F290300-15	H8GLA	N/A	AIR	0.75	50	MS/SD(1.0 H2O)(3.0 soils)300 ul/1.5ml			
G6G160000-511	H9E0FB	N/A	AQUEOUS	50	50	ICV/2.0	600 ul/1.0ml		
G6G160000-511	H9E0FC	N/A	AQUEOUS	50	50	<b>REAGENTS:</b>			
G6G160000-511	H9E0FL	N/A	AQUEOUS	50	50	HNO3 Lot#: C16035			
G6G060239-1	H8QTL	N/A	AIR	0.75	50	HCl Lot# C07001			
G6G060239-2	H8QTN	N/A	AIR	0.75	50	KMnO4 Lot#: 2626-Met-46-3			
G6G060239-3	H8QTQ	N/A	AIR	0.75	50	K2S2O8 Lot#: 2626-met-46-2			
G6G060239-4	H8QTT	N/A	AIR	0.75	50	NaCl(NH2OH)2626-MET-46-1			
G6G060239-5	H8QTV	N/A	AIR	0.75	50	Stannous Chloride Lot#2626-49-1			
G6G060239-6	H8QTW	N/A	AIR	0.75	50	H2S04 Lot#C06073			
G6G060239-7	H8QTX	N/A	AIR	0.75	50				
G6G060239-8	H8QT1	N/A	AIR	0.75	50				
G6G060239-9	H8QT2	N/A	AIR	0.75	50				

**STL Sacramento**  
**Mercury Sample Preparation Log**

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	Phomsophat	Date:	07/13/06
G6G060239-10	H8QT3	N/A	AIR	0.75	50				
G6G060239-11	H8QT5	N/A	AIR	0.75	50				
G6G060239-12	H8QT6	N/A	AIR	0.75	50				
G6G060239-13	H8QT7	N/A	AIR	0.75	50				
G6G060239-14	H8QT8	N/A	AIR	0.75	50				
G6G060239-15	H8QT9	N/A	AIR	0.75	50				
CCV	CCV	N/A	AQUEOUS	50	50				
CCB	CCB	N/A	AQUEOUS	50	50				
CCV	CCV	N/A	AQUEOUS	50	50				
CCB	CCB	N/A	AQUEOUS	50	50				
CCV	CCV	N/A	AQUEOUS	50	50				
CCB	CCB	N/A	AQUEOUS	50	50				

Untitled Dataset

Device  
Serial Number - M10399  
User ID - merrit



122.2

°C

102.1

81.96

61.84

41.72

21.6

3:13:43 PM  
Jul 13, 2006

2:45:43 PM  
Jul 14, 2006

12:38:31 AM  
Jul 14, 2006

5:20:55 AM  
Jul 14, 2006

10:03:19 AM  
Jul 14, 2006

7:56:07 PM  
Jul 13, 2006

**Device Name:** HiTemp102  
**Device Description:** Temperature Recorder  
**Serial Number:** M10399  
**User ID:** merrit

Reading Number	Date and Time	Channel 1
		Temperature (°C)
1	2006-07-13 15:13:43	27.4
2	2006-07-13 15:14:43	27.8
3	2006-07-13 15:15:43	27.8
4	2006-07-13 15:16:43	27.9
5	2006-07-13 15:17:43	27.9
6	2006-07-13 15:18:43	27.9
7	2006-07-13 15:19:43	28
8	2006-07-13 15:20:43	28
9	2006-07-13 15:21:43	28.1
10	2006-07-13 15:22:43	28.2
11	2006-07-13 15:23:43	28.2
12	2006-07-13 15:24:43	28.3
13	2006-07-13 15:25:43	28.4
14	2006-07-13 15:26:43	28.5
15	2006-07-13 15:27:43	28.5
16	2006-07-13 15:28:43	28.6
17	2006-07-13 15:29:43	28.6
18	2006-07-13 15:30:43	28.7
19	2006-07-13 15:31:43	28.7
20	2006-07-13 15:32:43	28.7
21	2006-07-13 15:33:43	28.8
22	2006-07-13 15:34:43	28.9
23	2006-07-13 15:35:43	28.9
24	2006-07-13 15:36:43	29
25	2006-07-13 15:37:43	29
26	2006-07-13 15:38:43	29.2
27	2006-07-13 15:39:43	29.2
28	2006-07-13 15:40:43	29.2
29	2006-07-13 15:41:43	29.3
30	2006-07-13 15:42:43	29.4
31	2006-07-13 15:43:43	29.6
32	2006-07-13 15:44:43	30
33	2006-07-13 15:45:43	32.4
34	2006-07-13 15:46:43	42.9
35	2006-07-13 15:47:43	59.4
36	2006-07-13 15:48:43	75.4
37	2006-07-13 15:49:43	88.9
38	2006-07-13 15:50:43	99.8
39	2006-07-13 15:51:43	107.2
40	2006-07-13 15:52:43	111.4
41	2006-07-13 15:53:43	114.2
42	2006-07-13 15:54:43	116.2
43	2006-07-13 15:55:43	117.4
44	2006-07-13 15:56:43	118
45	2006-07-13 15:57:43	118.4

46	2006-07-13 15:58:43	119.3
47	2006-07-13 15:59:43	119.8
48	2006-07-13 16:00:43	120.1
49	2006-07-13 16:01:43	120.3
50	2006-07-13 16:02:43	120.5
51	2006-07-13 16:03:43	120.6
52	2006-07-13 16:04:43	120.8
53	2006-07-13 16:05:43	120.9
54	2006-07-13 16:06:43	121.1
55	2006-07-13 16:07:43	121.2
56	2006-07-13 16:08:43	121.4
57	2006-07-13 16:09:43	121.5
58	2006-07-13 16:10:43	121.6
59	2006-07-13 16:11:43	121.7
60	2006-07-13 16:12:43	121.9
61	2006-07-13 16:13:43	122
62	2006-07-13 16:14:43	122
63	2006-07-13 16:15:43	122.2
64	2006-07-13 16:16:43	122.2
65	2006-07-13 16:17:43	121.3
66	2006-07-13 16:18:43	119.1
67	2006-07-13 16:19:43	116.6
68	2006-07-13 16:20:43	114.1
69	2006-07-13 16:21:43	111.9
70	2006-07-13 16:22:43	109.9
71	2006-07-13 16:23:43	108
72	2006-07-13 16:24:43	106.3

# AIR, TSP & PM-10

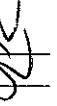
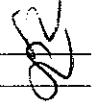
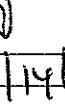
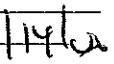
QC050

Severn Trent Laboratories, Inc.  
WET CHEM BATCHSHEETRun Date: 7/14/06  
Time: 16:33:21

## STL Sacramento

## PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	RE-RUN QC	RE-RUN MATRIX	MISC OTHER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)  
 QC BATCH #: 6195482 INITIALS:   
 PREP DATE: 7/08/06 10:41 PREP  INITIALS   
 COMP DATE: 7/10/06 12:16 ANAL  DATE   
 USER: VALMORES

Work Order	Lab Number	Structured	Exp.	Analysis	Sample ID:
		Analysis	Del.	Date	
3GKJ-1-AA	G-6F290300-001	XX S 88 AO 3W	Y-D		000509
3GKL-1-AD	G-6F290300-002	XX S 88 AO 3W	Y-D		000510
3GKM-1-AD	G-6F290300-003	XX S 88 AO 3W	Y-D		000511
3GKQ-1-AD	G-6F290300-004	XX S 88 AO 3W	Y-D		000512
3GKR-1-AD	G-6F290300-005	XX S 88 AO 3W	Y-D		000513
3GKV-1-AD	G-6F290300-006	XX S 88 AO 3W	Y-D		000514
3GKW-1-AD	G-6F290300-007	XX S 88 AO 3W	Y-D		000515

## Control Limits

**STL Sacramento**  
**Air Toxics Laboratory**

SEVERN  
TRENT

**STL**

**PARTICULATE ANALYSIS**

**LEVEL 1 & 2 REVIEW CHECKLIST**

LAB NUMBERS: G6F290300 - 17 Batch #: 6K5482

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 7/14/06

ANALYST: Stelmine

**LEVEL 1 ANALYSIS REVIEW**

1. Samples are in good condition.
2. Sample filter number matches the folder or petri ID number.
3. Desiccator temperature and % humidity criteria in control.
4. Balance calibration criteria met.
5. Beginning and ending calibration sample bracket weights are in calibration.
6. Samples reached stable weight.
7. Samples exceeded 5 consecutive final weighings.

YES	NO	NA
✓		
✓		
✓		
✓		
✓		
✓		
✓		
✓		

**LEVEL 1 DATA REVIEW**

1. Benchsheet is complete.
2. QAS or QAPP consulted and followed for client specifics.
3. Data entered in properly.
4. Copy of spreadsheet or logbook raw data entry attached to data package.
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.

SV 7/14/06

Completed By & Date:

**LEVEL 2 REVIEW:**

1. Level 1 checklist complete and verified.
2. Deviations, Anomalies, Holding times checked and approved.
3. Reanalysis documented and chemist notified.
4. Client specific criteria met.
5. Data entry checked and released in Quantims.
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).

✓		
✓		
✓		
✓		
✓		
✓		

Completed By & Date: SV 7/17/06

BS 1B

Comments:

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Seven Trent Laboratories  
AIR TOXICS GRAVIMETRIC ANALYSES

WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
	5 g wt	5.0002 060806skv1527	5.0000 060906sv0917	5.0001 070806skv1041	5.0001 071006skv1211			0.0001
H7N2F	bctsp060806- 501	4.4990 060806skv1528	4.4990 060906sv0917	4.4968 062606skv1518	4.4970 062706skv1243			-0.0020
H74EF	bctsp060806- 502	4.5108 060806skv1528	4.5108 060906sv0919	4.5629 062806skv1016	4.5625 062906skv1013			0.0517
H74EK	bctsp060806- 503	4.4969 060806skv1528	4.4966 060906sv0921	4.5390 062806skv1017	4.5385 062906skv1014			0.0419
H74FF	bctsp060806- 504	4.4588 060806skv1529	4.4583 060906sv0921	4.4897 062806skv1017	4.4893 062906skv1014			0.0310
H74FH	bctsp060806- 505	4.4455 060806skv1529	4.4451 060906sv0921	4.4951 062806skv1018	4.4947 062906skv1015			0.0496
H74FM	bctsp060806- 506	4.4744 060806skv1530	4.4749 060906sv0922	4.5843 062806skv1018	4.5843 062906skv1015			0.1094
H74FP	bctsp060806- 507	4.4862 060806skv1530	4.4857 060906sv0922	4.5440 062806skv1018	4.5438 062906skv1016			0.0581
H74FR	bctsp060806- 508	4.4739 060806skv1530	4.4735 060906sv0922	4.4726 062806skv1019	4.4729 062906skv1017			-0.0006
H8GKJ	bctsp060806- 509	4.4865 060806skv1531	4.4861 060906sv0923	4.5515 070806skv1042	4.5519 071006skv1211			0.0658
H8GKL	bctsp060806- 510	4.4638 060806skv1531	4.4639 060906sv0923	4.5543 070806skv1045	4.5546 071006skv1211			0.0907
	5 g wt	5.0004 060806skv1531	5.0000 060906sv0924	5.0005 062606skv1519	5.0003 062706skv1244			0.0003
	5 g wt	5.0004 060806skv1531	5.0000 060906sv0924	5.0004 062806skv1019	4.9939 062906skv1018			-0.0001
	5 g wt	5.0004 060806skv1531	5.0000 060906sv0924	5.0000 070806skv1045	5.0004 071006skv1212			0.0004
H8GKM	bctsp060806- 511	4.4906 060806skv1532	4.4902 060906sv0924	4.5336 070806skv1045	4.5334 071006skv1212			0.0432
H8GKQ	bctsp060806- 512	4.5160 060806skv1532	4.5164 060906sv0925	4.5813 070806skv1048	4.5809 071006skv1213			0.0645

Severn Trent Laboratories  
AIR TOXICS GRAVIMETRIC ANALYSES

WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
H8GKR	bctsp060806-513	4.4878 060806skv1532	4.4875 060906sv0926	4.5534 070806skv1049	4.5537 071006skv\1213			0.0662
H8GKV	bctsp060806-514	4.4525 060806skv1533	4.4520 060906sv0926	4.5407 070806skv1049	4.5407 071006skv\1213			0.0887
H8GKW	bctsp060806-515	4.4553 060806skv1534	4.4548 060906sv0927	4.4539 070806skv1050	4.4543 071006skv\1214			-0.0005
	bctsp060806-516	4.4827 060806skv1534	4.4822 060906sv0928	4.5913 070806skv1050	4.5918 071006skv\1214			0.1096
	bctsp060806-517	4.4835 060806skv1534	4.4835 060906sv0928	4.5962 070806skv1050	4.5965 071006skv\1214			0.1130
	bctsp060806-518	4.4646 060806skv1535	4.4644 060906sv0929	4.5383 070806skv1051	4.5388 071006skv\1215			0.0744
	bctsp060806-519	4.5148 060806skv1536	4.5144 060906sv0929	4.6149 070806skv1051	4.6145 071006skv\1215			0.1001
	bctsp060806-520	4.5140 060806skv1536	4.5135 060906sv0929	4.5906 070806skv1052	4.5907 071006skv\1216			0.0772
	5 g wt	5.0004 060806skv1536	4.9999 060906sv0931	5.0004 070806skv1052	5.0004 071006skv\1216			0.0005

PDE115

Severn Trent Laboratories, Inc.  
Inorganics Batch Review  
QC Batch 6195482

Date 7/17/2006  
Time 15:12:31

Method Code:AO Particulates in Air, Suspended "TSP HiVol" (APP B)  
Analyst: Steve Valmores

Work Order	Code:	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output	Dil.
	H8GKJ-1-AA	0.0907	g	0.0001	07/08-07/10/06	.00	N	ND	0.0658	0.0001	1.00
H8GKL-1-AD	0 . 0907	g	0 . 0001		07/08-07/10/06	.00	R	0 . 0907	0 . 0001	1 . 00	
H8GKM-1-AD	0 . 0432	g	0 . 0001		07/08-07/10/06	.00	N	0 . 0432	0 . 0001	1 . 00	
H8GKQ-1-AD	0 . 0645	g	0 . 0001		07/08-07/10/06	.00	N	0 . 0645	0 . 0001	1 . 00	
H8GKR-1-AD	0 . 0662	g	0 . 0001		07/08-07/10/06	.00	N	0 . 0662	0 . 0001	1 . 00	
H8GKV-1-AD	0 . 0887	g	0 . 0001		07/08-07/10/06	.00	N	0 . 0887	0 . 0001	1 . 00	
H8GKW-1-AD	ND	g	0 . 0001		07/08-07/10/06	.00	R	ND	0 . 0001	1 . 00	

Notes:

TEST TOTAL # SAMPLE # PRODUCTION QC # TOTALS MATRIX # OTHER # MISC # HOURS  
0 0 0 0 0 0 0 0 .0

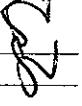
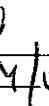
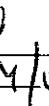
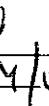
QC050

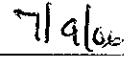
Severn Trent Laboratories, Inc.  
WET CHEM BATCHSHEETRun Date: 7/14/06  
Time: 16:31:30

STL Sacramento

## PRODUCTION FIGURES - WET CHEM

OTAL NUMBER	SAMPLE NUMBER	RE-RUN QC	RE-RUN MATRIX	MISC OTHER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)  
 QC BATCH #: 6195485 INITIALS:  DATA ENTRY:   
 PREP DATE: 7/08/06 11:03 PREP  INITIALS   
 COMP DATE: 7/09/06 11:39 ANAL  DATE   
 USER: VALMORES

ork Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
8GKX-1-AA	G-6F290300-008	XX S 88 JR 01	Y-D		P-0683
8GK1-1-AA	G-6F290300-009	XX S 88 JR 01	Y-D		P-0684
8GK2-1-AD	G-6F290300-010	XX S 88 JR 01	Y-D		P-0685
8GK4-1-AD	G-6F290300-011	XX S 88 JR 01	Y-D		P-0686
8GK6-1-AD	G-6F290300-012	XX S 88 JR 01	Y-D		P-0687
8GK7-1-AD	G-6F290300-013	XX S 88 JR 01	Y-D		P-0688
8GK8-1-AD	G-6F290300-014	XX S 88 JR 01	Y-D		P-0689
8GLA-1-AD	G-6F290300-015	XX S 88 JR 01	Y-D		P-0690

## Control Limits

**STL Sacramento**  
**Air Toxics Laboratory**

**SEVERN  
TRENT**

**STL**

**PARTICULATE ANALYSIS**

**LEVEL 1 & 2 REVIEW CHECKLIST**

LAB NUMBERS: 66 G6F 29 0300-6-15 Batch #: 6195485

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 7/14/06

ANALYST: SV/mre

**LEVEL 1 ANALYSIS REVIEW**

1. Samples are in good condition.
2. Sample filter number matches the folder or petri ID number.
3. Desiccator temperature and % humidity criteria in control.
4. Balance calibration criteria met.
5. Beginning and ending calibration sample bracket weights are in calibration.
6. Samples reached stable weight.
7. Samples exceeded 5 consecutive final weighings.

YES	NO	NA
/		
/		
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**LEVEL 1 DATA REVIEW**

1. Benchsheet is complete.
2. QAS or QAPP consulted and followed for client specifics.
3. Data entered in properly.
4. Copy of spreadsheet or logbook raw data entry attached to data package.
5. Analyst observations, HTVs, Anomalies properly documented and attached to data package.

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/		

Completed By & Date: SV 7/14/06

**LEVEL 2 REVIEW:**

1. Level 1 checklist complete and verified.
2. Deviations, Anomalies, Holding times checked and approved.
3. Reanalysis documented and chemist notified.
4. Client specific criteria met.
5. Data entry checked and released in Quantims.
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).

/		
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/		

Completed By & Date: SV 7/17/06

SV 28/18

Comments:

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Severn Trent Laboratories  
AIR TOXICS GRAVIMETRIC ANALYSES

WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
	5 g wt	5.0004	5.0000	4.9999	5.0001			0.0001
H74DT	pmbc060806-676	060806skv1544	060906skv0936	070806skv1103	070906skv1133			0.0145
H74DW	pmbc060806-677	060806skv1545	060906skv0938	062806skv1024	062906skv1022			0.0131
H74D1	pmbc060806-678	060806skv1545	060906skv0938	062806skv1024	062906skv1023			0.0210
H74D5	pmbc060806-679	060806skv1545	060906skv0938	062806skv1024	062906skv1023			0.0418
H74D8	pmbc060806-680	060806skv1546	060906skv0939	062806skv1025	062906skv1023			0.0240
H74EA	pmbc060806-681	060806skv1546	060906skv0940	062806skv1025	062906skv1024			0.0150
H74ED	pmbc060806-682	060806skv1546	060906skv0940	062806skv1026	062906skv1024			-0.0008
H8GKX	pmbc060806-683	060806skv1547	060906skv0941	070806skv1104	070906skv1134			0.0223
H8GK1	pmbc060806-684	060806skv1547	060906skv0941	070806skv1105	070906skv1134			0.0351
H8GK2	pmbc060806-685	060806skv1547	060906skv0942	070806skv1105	070906skv1134			0.0233
	5 g wt	5.0004	5.0000	5.0000	5.0001			0.0001
	5 g wt	5.0004	5.0000	5.0003	5.0003			0.0003
H8GK4	pmbc060806-686	060806skv1548	060906skv0942	070806skv1106	070906skv1135			0.0298
H8GK6	pmbc060806-687	060806skv1614	060906skv0943	070806skv1106	070906skv1135			0.0289
H8GK7	pmbc060806-688	060806skv1615	060906skv0944	070806skv1107	070906skv1135			0.0336

Severn Trent Laboratories  
AIR TOXICS GRAVIMETRIC ANALYSES

WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
H8GK8	pmbc060806-689	4.5054	4.5058	4.5301	4.5301			0.0243
H8GLA	pmbc060806-690	4.5189	4.5190	4.5184	4.5189			-0.0001
	pmbc060806-691	4.4911	4.4906	4.5343	4.5346			0.0440
	pmbc060806-692	4.5111	4.5106	4.5598	4.5602			0.0496
	pmbc060806-693	4.5219	4.5219	4.5660	4.5659			0.0440
	pmbc060806-694	4.5249	4.5244	4.5751	4.5756			0.0512
	pmbc060806-695	4.5191	4.5189	4.5532	4.5597			0.0408
	5 g wt	5.0004	5.0003	5.0004	5.0004			0.0001

PDE115

Severn Trent Laboratories, Inc.  
Inorganics Batch Review  
QC Batch 6195485

Date 7/17/2006  
Time 15:07:38

## Method Code:JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)

Analyst: Steve Valmores

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Output	Dil.
H8GKX-1-AA	0.0223	g	0.0001	07/08-07/09/06	.00	N	R	0.0001	1.00
H8GK2-1-AD	0.0233	g	0.0001	07/08-07/09/06	.00	N	R	0.0001	1.00
H8GK4-1-AD	0.0298	g	0.0001	07/08-07/09/06	.00	N	R	0.0001	1.00
H8GK6-1-AD	0.0289	g	0.0001	07/08-07/09/06	.00	N	R	0.0001	1.00
H8GK7-1-AD	0.0336	g	0.0001	07/08-07/09/06	.00	N	R	0.0001	1.00
H8GK8-1-AD	0.0243	g	0.0001	07/08-07/09/06	.00	N	R	0.0001	1.00
H8GLA-1-AD	ND	g	0.0001	07/08-07/09/06	.00	N	ND	0.0001	1.00

Notes:

TEST	TOTAL #	SAMPLE #	PRODUCTION TOTALS	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0